

HETEROPTERA OF AFGHANISTAN

Coreidae, Alydidae, Rhopalidae

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Abstract. Families Coreidae, Alydidae and Rhopalidae from Afghanistan. These three families of Heteroptera have heretofore been represented in the fauna of Afghanistan by 25 species and in the present paper augmented by a further 15 species.

This paper is based on the material of Coreidae, Alydidae and Rhopalidae collected by J. Klapperich, K. Lindberg + and G. Ebert in Afghanistan during the years 1952, 1953, 1957—1960 and 1967.

The family Coreidae is represented in the fauna of Afghanistan by 26 species which represent 15 genera, the family Alydidae is represented by 6 species which represent 4 genera and the family Rhopalidae is represented by 18 species which represent 9 genera.

Species of the family Rhopalidae in the fauna of Afghanistan are predominantly of Palaearctic and Euro-Siberian distribution, the pattern of Coreidae and Alydidae in the fauna of Afghanistan is enriched with tropical element particularly of Oriental and Afro-Asiatic origin.

COREIDAE COREINAE

Anoplocnemis protracta (Herrich-Schäffer, 1850)

8 ♂♂ and 10 ♀♀ and 1 nymph — E. Afghanistan, Nuristan, Bashgul valley, Kamu 1300 m., 15. 7. 1952, 1 ♂ and 4 ♀♀ — Bashgul valley, Mangul, 1250 m., 18. 7. 1952 collected by J. Klapperich.

Species recorded from North and South India, Khasi Hills in Assam and Formosa (Taiwan). First record from Afghanistan. The species of the genus *Anoplocnemis* Stål occur in tropical zones of Asia, Africa and Madagascar.

A. N. Kiritshenko (1938) records from the same area (Bashgul valley, 2030 m.) another species *Anoplocnemis dallasi* Kiritshenko, 1916, originally described from Korea and China. The specimens of *Anoplocnemis protracta* (H. Sch.) collected by J. Klapperich in Bashgul valley at an altitude of 1250 m. and 1300 m. agree completely with the specimens of *Anoplocnemis protracta* (H.-Sch.) deposited in the collections of the Department of entomology. British Museum (Nat. Hist.), London.

Homoeocerus borealis Distant, 1918

2 ♂♂ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 11. 4. 1953, 39 ♂♂ and 21 ♀♀ — 17. 4. 1953, 5 ♂♂ and 6 ♀♀ — 22. 4. 1953, 2 ♂♂ and 5 ♀♀ — 24. 4. 1953, 1 ♂ — 1200 m., 3. 5. 1953, 1 ♀ — 17. 5. 19—53 collected by J. Klapperich.

Species recorded from N. India (Dehra Dun.). Previously not recorded from Afghanistan, first record.

Omanocoris versicolor (Herrich-Schäffer, 1841)

4 ♂♂ and 5 ♀♀ — S. W. Afghanistan, Kandahar, 950 m., 13. 2. 1953 collected by J. Klapperich.

Species of wide distribution in South West Asia, from Iraq, Iran, North and South India. In Afghanistan recorded from Jalalabad (Muminov 1975, Kiritshenko 1967).

Aschistocoris nepalensis (Distant, 1908)

2 ♂♂ and 2 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 17. 4. 1953, 13 ♂♂ and 9 ♀♀ — 22. 4. 1953, 9 ♂♂ and 10 ♀♀ — 24. 4. 1953, 2 ♀♀ — 1150 m., 1. 5. 1953, 17 ♂♂ and 13 ♀♀ — 1200 m., 3. 5. 1953, 1 ♂ and 1 ♀ — 1150 m., 9. 5. 1953, 12 ♂♂ and 9 ♀♀ — 1200 m., 17. 5. 1953 collected by J. Klapperich.

Species recorded from Nepal (Benikhola, Bijdura) and from N. India (Naini Tal).

Previously not recorded from Afghanistan, first record.

Gonocerus patellatus Kiritshenko, 1916

2 ♀♀ — E. Afghanistan, Tangi-Gharuh upon Kabul river, 1600 m., 18. 5. 1952, 1 ♀ — E. Afghanistan, Tangi Saidan near Kabul, 1750 m., 27. 5. 1952, 2 ♂♂ and 2 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 8. 4. 1953, 1 ♀ — 1100 m., 9. 4. 1953, 3 ♂♂ and 2 ♀♀ — 14. 4. 1953, 5 ♂♂ and 1 ♀ — 1200 m., 20. 4. 1953, 1 ♀ — 1150 m., 1. 5. 1953, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh 2200 m., 28. 4. 1953, 1 ♂ and 2 ♀♀ — E. Afghanistan, Panchir valley, Mars, 2400 m., 10. 6. 1953 collected by J. Klapperich.

1 ♀ — Afghanistan, Darreh-Chakh, 29. 10. 1957 (loc. no. 467) collected by K. Lindberg.

Species recorded from South Turkomanistan (Kopet dagh) and Tadzhikistan (Syr-darja, Hissar range, Fergana range and Kara-tau). In Afghanistan recorded from Badakshan, Vama in Peetsh valley (Kiritshenko 1938).

Cletus punctulatus (Westwood, 1842)

2 ♂♂ and 3 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh, 2200 m., 17. 7. 1952, 1 ♀ — 2000 m., 27. 4. 1953, 2 ♂♂ and 3 ♀♀ — Bashgul valley, Mangul, 1250 m., 18. 7. 1962, 1 ♂ — Bashgul valley, Kamu, 1500 m.,

26. 4. 1953, 1 ♀ — Bashgul valley, 1200 m., 10. 4. 1953, 1 ♂ — 1100 m., 11. 4. 1953, 1 ♂ — 1200 m., 15. 4. 1953, 1 ♀ — 1200 m., 20. 4. 1953, 1 ♂ — 1100 m., 22. 4. 1953, 1 ♀ — 1100 m., 24. 4. 1953, 1 ♀ — E. Afghanistan, Nuristan, Kutiau, 30 km. W. of Barikot, 1450 m., 2. 5. 1953 collected by J. Klapperich.

Species of wide distribution in India (Sikkim, Kusseong, Khasi Hills, Naga Hills). Previously not recorded from Afghanistan, first record. A. N. Kiritshenko 1967 records *Cletus* sp. from E. Afghanistan, Chadan Sardi.

***Enoplops eversmanni* Jakovlev, 1881**

1 ♀ — N. E. Afghanistan, Badakshan, Shiva, 2800 m., high steppe, 7. 7. 1953 collected by J. Klapperich.

Endemic species of high mountain area of Kirghizia and Tadjikistan in Soviet Middle Asia. Previously not recorded from Afghanistan, first record.

***Enoplops heinsi* (Oshanin, 1870)**

1 ♂ — Afghanistan, Chidjan near Sheikhabad, 7. 4. 1958 (loc. no. 452) collected by K. Lindberg.

Species recorded only from Turkomanistan (Zaravshan range) in Soviet Middle Asia and from N. E. Iran (Wagner 1968). Previously not recorded from Afghanistan, first record.

***Centrocoris marmottani* Puton, 1887**

1 ♀ — S. Afghanistan, Kandahar, 950 m., 13. 2. 1953 collected by J. Klapperich.

Eremian species recorded from North Africa (Algeria). Previously not recorded from Afghanistan, first record.

***Centrocoris volxemi* (Puton, 1878)**

1 ♀ — E. Afghanistan, Robatak, between Pol-e Khumri and Aibak, 10. 10. 1957 (loc. no. 347), 1 ♂ and 2 ♀♀ — E. Afghanistan, Sorkh-Ko-tal near Cheshmeh Shir, 10. 10. 1957 (loc. no. 361), 1 ♂ — N. Afghanistan, Bhougavi, 15. 10. 1957 (loc. no. 383), 1 ♂ — N. Afghanistan, Bahlah (Arhandab), 6.—7. 5. 1958 (loc. no. 484), collected by K. Lindberg.

Species of Irano-Turanian distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Iran, N. W. Anatolia, in Soviet Middle Asia recorded from Turkomanistan. In Afghanistan previously recorded from Kandahar and Khadjailgar (Kiritshenko 1963).

***Spathocera tenuicornis* Jakovlev, 1882**

4 ♂♂ and 3 ♀♀ — S. Afghanistan, Kandahar, 950 m., 13. 2. 1952, 5 ♂♂ and 3 ♀♀ — 19. 2. 1953, 1 ♂ — 28. 2. 1953, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 7. 5. 1953, collected by J. Klapperich.

Species of Irano-Turanian distribution, in S. W. Asia recorded from Cyprus, Anatolia and Iran. In Soviet Middle Asia recorded from Turkomanistan. In Afghanistan recorded from Kabul, Shakh-Baber (Kiritshenko 1963).

Further species of subfamily Coreinae listed in the fauna of Afghanistan:

Anoplocnemis dallasi Kiritshenko, 1916 — E. Afghanistan, Nuristan, Bashgul valley (Kiritshenko 1938) — occurring in East Asia.

Syromastus rhombeus f. *quadrata* (Fabricius, 1775) — N. Afghanistan, Sindaid (Sabzavar) (Kiritshenko 1963) — European species.

Haploprocta horniana Kiritshenko, 1938 — N. E. Afghanistan, Bubrutz in Kti valley (Kiritshenko 1938) — recorded only from Afghanistan and Iran.

Phyllomorpha lacerata Herrich-Schäffer, 1835 — E. Afghanistan, Shakh — Baber (Kiritshenko 1963) — species of Pontomediterranean distribution.

PSEUDOPHLOAEINAE

***Arenocoris latissimus* Seidenstücker, 1960**

1 ♀ — N. Afghanistan, Sar-i Pul, 14. 10. 1957 (loc. no. 364), 1 ♀ — N. Afghanistan, Bougavi, 15. 10. 1957 (loc. no. 383), 1 ♀ — S. Afghanistan, Kadjahkai N. W. of Kandahar, 29. 4. 1957, collected by K. Lindberg.

Species recorded from South Anatolia (Ulukisla, Nigde — type locality) and from N. and N. E. Iran. Previously not recorded from Afghanistan, first record.

***Ceraleptus lividus* Stein, 1858**

1 ♂ — N. W. Afghanistan, Herat, 4. 9. 1957 (loc. no. 324), 1 ♂ — N. Afghanistan, Sar-i Pul, 14. 10. 1957 (loc. no. 364), 2 ♂♂ and 1 ♀ — N. Afghanistan, Bhougavi, 15. 10. 1957 (loc. no. 383), collected by K. Lindberg.

Species of European distribution ranging into Mediterranean and eastwards to Soviet Azarbaïdjan and Iran. Previously not recorded from Afghanistan, first record.

***Coriomeris scabricornis scabricornis* (Panzer, 1809)**

1 ♂ — E. Afghanistan, vicinity of Kabul, 1740 m., 22. 5. 1952, 2 ♂♂ — 25. 5. 1952, 1 ♂ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 2800 m., 7. 7. 1953, collected by J. Klapperich.

1 ♂ — N. Afghanistan, Bend-Amir, 1. 8. 1957 (loc. no. 280), 1 ♂ — E. Afghanistan, Doab Mekh Zarine, 145 km. N. W. of Kabul, 1460 m., 21. 7. 1960, collected by K. Lindberg (loc. no. 898).

Species of wide Palaearctic distribution except southernmost parts of Europe, recorded from Anatolia, Mongolia, Iran, China and Korea. Previously not recorded from Afghanistan, first record.

Coriomeris apricus Kiritshenko, 1952

1 ♂ — E. Afghanistan, Jalalabad, 30. 3. 1953, collected by J. Klapperich.

Species known only from high mountains of Tadzhikistan. Previously not recorded from Afghanistan, first record.

The only male of this rare species has been kindly determined by I. M. Kerzhner and he stated that in this specimen the third characteristic spine of the hind femora is rather reduced similar to some specimens of the original serie of *Coriomeris apricus* Kirit.

Coriomeris pallidus Reuter, 1900

1 ♂ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1953, collected by J. Klapperich.

1 ♀ — S. W. Afghanistan, Registan desert, Darveshan, 500 m., 21. 3. 1961, 1 ♀ — E. Afghanistan, Sarobi, 1100 m., 31. 5.—2. 6. 1961, collected by G. Ebert.

Species recorded from Soviet Middle Asia, S. W. Mongolia, Iran and Anatolia. From Afghanistan previously not recorded, first record.

Coriomeris vitticollis Reuter, 1900

1 ♂ — E. Afghanistan, vicinity of Kabul, 1740 m., 20. 3. 1953. 1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 6. 4. 1953, 3 ♂♂ — E. Afghanistan, Durufulun near Kabul, 1800 m., 17. 6. 1953, 1 ♂ — N. E. Afghanistan, Badakshan, Sarekanda mountains, 2800 m., 21. 7. 1953, collected by J. Klapperich.

1 ♂ — N. Afghanistan, Sar-i Pul, 7. 9. 1956 collected by E. Erichson. 1 ♀ — E. Afghanistan, Qal'eh Laku, valey of Kabul, 7. 7. 1957 (loc. no. 254), 1 ♂ — E. Afghanistan, Qalat, 9. 4. 1958 (loc. no. 454), 1 ♀ — S. Afghanistan, Kandahar — Dahlah, 8. 5. 1958 (loc. no. 486), 1 ♂ — S. Afghanistan, Kadjahkai, 29. 4.—1. 6. 1958 (loc. no. 496), collected by K. Lindberg. 1 ♀ — E. Afghanistan, Sarobi, 1100 m., 25. 4. 1961, collected by G. Ebert.

Species recorded from southern parts of European USSR, Dagestan, Transcaucasia, Turkomanistan, Iran, Syria, Iraq, Cyprus and Egypt. Previously not recorded from Afghanistan, first record.

Coriomeris subglaber Horváth, 1917

1 ♂ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 2800 m., 7. 7. 1953 collected by J. Klapperich.

Species recorded from Greece, Turkey and N. Iran. Previously not recorded from Afghanistan, first record.

Clavigrella scutellaris (Westwood, 1842)

1 ♂ — E. Afghanistan, vicinity of Kabul, 1740 m., 20. 3. 1953 collected by J. Klapperich.

Distributed from Kenya and Sudan through Arabian peninsula, Iran and Pakistan to India. In Afghanistan previously recorded from Nengravou province (Dolling 1978).

Further species of subfamily Pseudophloeinae listed in the fauna of Afghanistan:

Anoplocerus elevatus (Fieber, 1861) — N. Afghanistan, Kunduz (Kiritshenko 1963) — species of European distribution.

Arenocoris waltli (Herrich-Schäffer, 1834) — E. Afghanistan, Pul-i Khomri (Kiritshenko 1963) — species of Mediterranean origin.

Coriomeris hirticornis (Fabricius, 1794) — C. Afghanistan, Hindu-Kush, Salang valley (Muminov 1975) — species of Mediterranean origin.

Conclusion

Family Coreidae in Afghanistan is represented by 26 species belonging to 15 genera of which 14 species are new for the fauna of Afghanistan:

Anoplocnemis protracta (H.-Sch.)

Homoeocerus borealis Dist.

Aschistocoris nepalensis (Dist.)

Cletus punctulatus (Westw.)

Enoplops eversmanni Jak.

Enoplops heinsi (Osh.)

Centrocoris marmottani Put.

Arenocoris latissimus Seid.

Ceralaptus lividus Stein

Coriomeris s. scabricornis (Panz.)

Coriomeris apricus Kirit.

Coriomeris pallidus Reut.

Coriomeris vitticollis Reut.

Coriomeris subglaber Horv.

The summary of respective faunal elements of the family Coreidae in Afghanistan is given in the following survey:

1. Palaearctic elements:

Species with wide Palaearctic distribution:

Coriomeris scabricornis scabricornis (Panz.)

Species of European distribution:

Syromastus rhombeus f. *quadrata* Fab.

Ceralaptus lividus Stein

Anoplocerus elevatus (Fieb.)

Species of Holomediterranean distribution:

Arenocoris waltli (H.-Sch.)

Coriomeris hirticornis (Fab.)

Species of East- (Ponto-) Mediterranean distribution:

Phyllomorpha lacerata H.-Sch.

Coriomeris vitticollis Reut.

Coriomeris subglaber Horv.

Species of Eremian distribution:

Centrocoris marmottani Put.

Species of Irano-Turanian distribution:

Gonocerus patellatus Kirit.

Haploprocta horniana Kirit.

Enoplops eversmanni Jak.

Enoplops hainsi (Osh.)

Centrocoris volxemi (Put.)

Spathocera tenuicornis Jak.

Arenocoris latissimus Seid.

Coriomeris apricus Kirit.

Coriomeris pallidus Reut.

2. Oriental element:

Anoplocnemis protracta (H.-Sch.)

Anoplocnemis dallasi Kirit.

Homoeocerus borealis Dist.

Omanocoris versicolor (H.-Sch.)

Aschistocoris nepalensis Dist.

Cletus punctulatus (Westw.)

3. Intertropical element (Afro-Asiatic):

Clavigrella scutellaris (Westw.)

ALYDIDAE

***Camptopus tragacanthae* (Kolenati, 1845)**

1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, Ahmede Dewane, 2800 m., 27. 7. 1952, 1 ♂ — E. Afghanistan, Panchir valley, Mars, 2400 m., 10. 6. 1953, collected by J. Klapperich.

Species of Irano-Turanian distribution, recorded from Anatolia, Caucasasia, Transcaucasasia, Iran, in Middle Asia from Uzbekistan, Tadjikistan and Pamir. Previously not recorded from Afghanistan, first record.

***Camptopus lateralis* (Germar, 1817)**

1 ♀ — E. Afghanistan, Pagman mountains, 2300 m., 30. 5. 1952, 2 ♀♀ — 2400 m., 6. 5. 1952, 1 ♂ and 2 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh, 2000 m., 16. 7. 1952, 1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, Mangul, 1250 m., 18. 7. 1952, 1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, Ahmede Dewane, 2000 m., 24. 7. 1952, 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 17. 9. 1952, 2 ♀♀ — S. Afghanistan, Kandahar — Kuna, 1200 m., 1. 3. 1953, 2 ♂♂ and 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh, 2200 m., 28. 4. 1953, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 3. 5. 1953, 1 ♂ — 1100 m., 19. 5. 1953, 1 ♂ and 2 ♀♀ — E. Afghanistan, Panchir valley, Mars, 2400 m., 10. 6. 1953, 3 ♂♂ and 3 ♀♀ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1953, 4 ♂♂ — E. Afghanistan, Pagman mountains, 2100 m.,

14. 6. 1953, 1 ♂ — N. E. Afghanistan, Kataghan, Khanabad, 650 m., 27. 6. 1953, 2 ♂♂ and 4 ♀♀ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 2700 m., 7.—10. 7. 1953, 2 ♂♂ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 1 ♂ — N. E. Afghanistan, Badakshan, Koksha valley, Shau, 2000 m., 19. 7. 1953, 1 ♂ — N. E. Afghanistan, Badakshan, Koksha valley, Firgamu, 2300 m., 20. 7. 1953, 2 ♀♀ — E. Afghanistan, Hindu-Kush, Andarab valley, Khinjan, 1240 m., 25. 9. 1953 collected by J. Klapperich.

1 ♀ — E. Afghanistan, Pagman mountains, 18. 5. 1958 (loc. no. 278), 1 ♂ — N. Afghanistan, Tirgaran between Bahrak and Zebak, 15. 7. 1959 (loc. no. 712), 1 ♀ — N. Afghanistan, Masdjed Choubi, 16. 5. 1959 (loc. no. 575), 1 ♂ — N. E. Afghanistan, Daavi, Shiva (Pamir), 2550 m., 13. 8. 1960 (loc. no. 936) collected by K. Lindberg. 1 ♂ — E. Afghanistan, Baghan, 7. 7. 1964 collected by N. Nurolhah.

Species of Mediteranean origin, penetrating into steppe areas af Central Europe, in the East recorded from Pakistan and mountainous West India. In the Middle East recorded from Cyprus, Israel, N. Iraq, Iran; Transcaucasia and Caucasia. In Soviet Middle Asia recorded from Transalai and Tadjikistan, Pamir and Afghanistan (Shighi in Kunar valley, Kti valley, 2620 m., Kiritshenko 1938, Pashki, Panjao, China and Miller 1950, Gulbahar 1700 m., Hoberlandt 1961).

Riptortus fuscus [Fabricius, 1798]

1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 14. 4. 1953, 1 ♀ — 1200 m., 20. 4. 1953, 1 ♂ and 2 ♀♀ — 17. 5. 1953, 1 ♀ — 1300 m., 24. 5. 1953, collected by J. Klapperich.

Species distributed through Indian subcontinent as far as China. Previously not recorded from Afghanistan, first record.

Meloza intermedia Distant, 1909

1 ♂ — E. Afghanistan, Pagman mountains, 2800 m., 2800 m., 30. 5. 1952, collected by J. Klapperich.

Previously recorded only from Is. Seychelles. First record for Afghanistan.

Nariscus conspurcatus Mancini, 1947

2 ♀♀ — E. Afghanistan, Sarobi, 1100 m., 13. 7. and 6. 8. 1961 collected by G. Ebert.

Eremian. Distribution: Ethiopie, Somalia (type locality), S. E. Sudan and Jemen (Linnavuori 1974). Previously not recorded from Afghanistan, first record.

Further species of Alydidae listed in the fauna of Afghanistan:

Camptopus eberti Seidenstücker, 1968 — S. E. Afghanistan, province Paktia, S. E. of Kabul near Kotkai, 2350 m. — an Endemic species.

Conclusion

Family Alydidae in Afghanistan is represented by 6 species belonging to 4 genera of which 4 species are new for the fauna of Afghanistan:

Camptopus tragacanthae (Kol.)

Riptortus fuscus Fab.

Meloza intermedia Dist.

Nariscus conspurcatus Manc.

The summary of respective faunal elements of the family Alydidae in Afghanistan is given in the following survey:

1. Palaearctic element:

Species of Holomediterranean distribution:

Camptopus lateralis (Germ.)

Species of Eremian distribution:

Nariscus conspurcatus Manc.

Species of Irano-Turanian distribution:

Camptopus tragacanthae (Kol.)

Camptopus eberti Seid.

2. Oriental element:

Riptortus fuscus (Fab.)

3. Tropical element (Afro-Asiatic)

Meloza intermedia Dist.

RHOPALIDAE RHOPALINAE

Corizus hyoscyami (Linnaeus, 1758)

1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh, 2000 m., 16. 3. 1952, 3 ♀♀ — Mangul, 1250 m., 18. 7. 1952, 4 ♂♂ and 2 ♀♀ — Purstan, 1700 m., 19. 7. 1952, 1 ♀ — Bashgul valley, 1100 m., 13. 3. 1953, 1 ♂ and 1 ♀ — Bashgul valley, 1100 m., 9. 4. 1953, 1 ♂ and 1 ♀ — Bashgul valley, 1100 m., 6. 4. 1953, 1 ♂ — Bashgul valley, 1100 m., 9. 4. 1953, 1 ♂ — Bashgul valley, 9. 4. 1953, 1 ♀ — Bashgul valley, 1150 m., 17. 4. 1953, 1 ♀ — Bashgul valley, 1200 m., 17. 5. 1953, 1 ♀ — Bashgul valley, 1300 m., 21. 5. 1953, 1 ♀ — Bashgul valley, Kamdesh, 2200 m., 28. 4. 1953, 1 ♀ — E. Afghanistan, Kumar valley, Asmar, 900 m., 3. 4. 1953, 1 ♂ — S. Afghanistan, Kandahar, 950 m., 3. 4. 1953, 1 ♂ — E. Afghanistan, Andarab valley, Khinjan, 1240 m., 25. 9. 1952, 3 ♂♂ and 1 ♀ — N. E. Afghanistan, Mars, Panchjir, 2400 m., 10. 6. 1953, 1 ♀ — N. E. Afghanistan, Kataghan, Kalaghan, 1600 m., 28. 6. 1953, 1 ♂ and 1 ♀ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1953, 2 ♂♂ and 5 ♀♀ — Badkshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 1 ♂ — Badakshan, Vardush valley, Barak, 1650 m., 5. 7. 1953, 3 ♂♂ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 2900 m., 11. 7. 1953, 5 ♂♂ and 1 ♀ — Badakshan, Shiva, high steppe, 2800 m., 7. 7. 1953, 1 ♀ — N. E. Afghanistan, Badakshan, Senna, 1800 m., 16. 7. 1953, 1 ♀ — N. E. Afghanistan, Badakshan, Sarekanda mountains, 2800 m., 21. 7. 1953, 1 ♂ — N. E. Afghanistan, Badakshan,

Koksha valley, Kalasan, 2000 m., 1 ♀ — E. Afghanistan, Hindu-kush, Salang valley, Valang, 2520 m., 29. 9. 1952, collected by J. Klapperich.

1 ♂ — E. Afghanistan, Sarobi, 1100 m., 6. 8. 1961, collected by G. Ebert.

Species of wide Palaearctic distribution, and recorded in S. W. Asia from Cyprus, Israel, Syria, N. Iraq, Transcaucasia, Caucasus and Iran. In Soviet Middle Asia from Turkomanistan, in Afghanistan from Herat (Hoberlandt 1961 as *C. monticola* Horv., Kerzhner 1962), N. Afghanistan, Korees Duobi near Bala Murghab (Hoberlandt 1961), E. Afghanistan, Nuristan, Kamdesh (Kerzhner 1962 as *C. monticola* Horv.), S. Afghanistan, Kandahar, E. Afghanistan, Durufulun, Kabul, Gulbag, Pagman mountains (Kiritshenko 1963), Balgan, Baisakal valley (Muminov 1975).

***Corizus fenestella subsimilis* Horváth, 1917**

1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 20. 4. 1953, 11 ♂♂ — E. Afghanistan, Panchir valley, Bazarak, 2200 m., 27. 6. 1952, 5 ♂♂ and 5 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, Ahmede Devane, 2800 m., 27. 7. 1952, 3 ♂♂ — C. Afghanistan, Hazaradjat, Banda-e Muir, 2900 m., 30. 8. 1952, 1 ♀ — E. Afghanistan, Andarab valley, Khinjan, 1240 m., 25. 9. 1952, 1 ♀ — E. Afghanistan, Hindu-kush, Salang valley, Qulatak, 1950 m., 9. 10. 1952, 4 ♂♂ and 2 ♀♀ — E. Afghanistan, Mars, Panchjir, 2400 m., 10. 6. 1953, 1 ♂ and 1 ♀ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 7. 7. 1953, 2 ♀♀ — 12. 7. 1953, 1 ♂ — E. Afghanistan, Pagman mountains, 2100 m., 14. 6. 1953, 1 ♀ — 28. 8. 1953, collected by J. Klapperich.

3 ♂♂ — N. Afghanistan, pothole of Zabzzak, N. E. of Herat, 2450 m., 16. 6. 1959 (loc. no. 668), 1 ♂ and 1 ♀ — N. Afghanistan, Ichkachin, 2640 m., 17. 7. 1959, 1 ♀ — N. Afghanistan, pothole of Zabzzak, 2450 m., N. E. of Herat, 17. 6. 1959 (loc. no. 756), 1 ♂ and 1 ♀ — N. Afghanistan, Masdjed — Tchoubi, 16. 6. 1959 (loc. no. 755), 1 ♀ — N. Afghanistan, between Ichkachin and Zebak, 2680 m., 17. 7. 1959 (loc. no. 786), collected by K. Lindberg.

Subspecies occurring in Soviet Middle Asia (Turkomanistan, Kazakhstan), N. India and S. W. Mongolia. In Iran and Afghanistan is registered subspecies *Corizus fenestella fenestella* Horváth with transitions to *C. fenestella subsimilis* Horváth (Kerzhner 1962 and Putshkov 1986). Recently indicated localities are the first numerous exactly named localities of *Corizus fenestella subsimilis* Horváth from Afghanistan, previously recorded only from N. Afghanistan, Polichomri, Hoberlandt 1961 as *Corizus albomarginatus* Blöte, Kerzhner 1962.

***Brachycarenum tigrinus* (Schilling, 1829)**

1 ♂ and 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 5. 5. 1952, 1 ♂ — 6. 5. 1952, 1 ♂ — 16. 5. 1952, 1 ♂ — 22. 5. 1952, 1 ♂ — 16. 9. 1952, 1 ♀ — 19. 9. 1952, 1 ♀ — 12. 5. 1953, 2 ♀♀ — E. Afghanistan, Pagman mountains, 2400 m., 6. 7. 1952, 1 ♀ — E. Afghanistan, Nuristan, Bashgul

valley, Managul, 1250 m., 18. 7. 1952, 1 ♀ — E. Afghanistan, Nuristan, Ahmede Devane, 2700 m., 28. 7. 1952, 16 ♂♂ and 8 ♀♀ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 6. 4. 1953, 2 ♀♀ — 1100 m., 17. 4. 1953, 7 ♂♂ and 47 ♀♀ — 1100 m., 22. 4. 1952, 1 ♂ and 3 ♀♀ — 1100 m., 24. 4. 1953, 1 ♂ — 1150 m., 1. 5. 1953, 2 ♀♀ — 1200 m., 3. 5. 1953, 1 ♀ — 1200 m., 17. 5. 1953, 1 ♂ and 2 ♀♀ — 1150 m., 19. 5. 1953, 2 ♀♀ — 1300 m., 24. 5. 1953, 1 ♀ — S. Afghanistan, Kandahar, 950 m., 4. 3. 1953, 1 ♀ — E. Afghanistan, Pagman mountains, 2100 m., 14. 6. 1953, 2 ♂♂ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 1 ♂ and 1 ♀ — Vardush valley, Barak, 1650 m., 6. 7. 1953, 1 ♂ and 1 ♀ — Badakshan, Shiva, high steppe, 2800 m., 23. 7. 1953, 2 ♂♂ and 1 ♀ — Badakshan, Sarekanda mountains, 3600 m., 21. 7. 1953, collected by J. Klapperich.

1 ♀ — N. Afghanistan, Darreh-Chakh, 30. 10. 1957 (loc. no. 413), 1 ♂ — S. Afghanistan, Kadjahkai, 28. 4.—1. 5. 1958 (loc. no. 496), collected by K. Lindberg.

Species of Euro-Siberian distribution with southern extension, in S. W. Asia recorded from Anatolia, Israel, Transcaucasia, Caucasus, Iran, in Soviet Middle Asia recorded from Tadzhikistan and Transalai, further recorded from N. W. India (Kashmir), Mongolia and Afghanistan (E. Afghanistan, Polichomri, Sarobi, Hoberlandt 1961, Putshkov 1986 and Gölner-Scheiding 1978).

***Brachycarenum languidus* (Horváth, 1891)**

1 ♂ — C. Afghanistan, Hazaradjat, Bahmian, 2900 m., 28. 8. 1952, 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 17. 9. 1952, 1 ♀ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1953, collected by J. Klapperich.

Species distributed in mountainous areas of S. W. and Middle Asia, from Afghanistan previously not recorded, first record.

***Limacocarenum curtulus* Kiritshenko, 1914**

1 ♂ — E. Afghanistan, Durufulun near Kabul, 1800 m., 11. 6. 1953, collected by J. Klapperich.

1 ♀ — E. Afghanistan, Kabul, 1700 m., 27. 7. 1957 (loc. no. 403), collected by K. Lindberg.

Recorded from numerous parts of S. W. and Middle Asia, Kirghizia, Uzbekistan, Anatolia and Afghanistan (N. Afghanistan, Bala Murghab, Gölner-Scheiding 1978, 1983, Kabul, Shakh-Baber, Kiritshenko 1963, Bala Burgab, Band-i Gazi, Gulabad near Kabul, Putshkov 1986).

***Liorhyssus hyalinus* (Fabricius, 1794)**

1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 25. 5. 1952, 2 ♂♂ — 16. 6. 1952, 1 ♀ — 24. 6. 1952, 4 ♂♂ — 17. 9. 1952, 1 ♂ and 2 ♀♀ — 17. 9. 1953, 1 ♂ — 18. 6. 1953, 3 ♂♂ and 2 ♀♀ — E. Afghanistan, Andarab valley, Khinjan, 1240 m., 25. 5. 1952, 1 ♂ — E. Afghanistan, Pagman mountains,

2300 m., 25. 5. 1952, 1 ♂ — E. Afghanistan, Sarobi, Kabul river, 900 m., 12. 6. 1952, 1 ♀ — E. Afghanistan, Panchir valley, 2400 m. 27. 6. 1952, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Kamdesh, 2000 m., 16. 7. 1952, 1 ♂ and 1 ♀ — 2200 m., 17. 7. 1952, 2 ♂♂ and 2 ♀♀ — Bashgul valley, Mongul, 1250 m., 18. 7. 1952, 1 ♂ and 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Purstan, 1700 m., 19. 7. 1952, 1 ♀ — Bashgul valley, Peshavurdo, 2200 m., 21. 7. 1952, 2 ♂♂ and 2 ♀♀ — E. Afghanistan, Tangi-Gharuh upon river Kabul, 1600 m., 21. 8. 1952, 2 ♂♂ and 2 ♀♀ — 30. 10. 1952, 2 ♂♂ — E. Afghanistan, Ghorband valley, 1900 m., 26. 8. 1952, 1 ♀ — C. Afghanistan, Hazaradjat, Bahmian, 2500 m., 28. 8. 1952, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 3. 5. 1953, 2 ♂♂ and 1 ♀ — 1150 m., 19. 5. 1953, 1 ♂ — Bashgul valley, Kutiau, 1500 m., 22. 5. 1953, 1 ♀ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, collected by J. Klapperich.

1 ♂ — E. Afghanistan, Robat-Sangui (Khouk), 29. 6. 1959 (loc. no. 366), 1 ♀ — S. Afghanistan, Kadjahkai, 29. 4.—1. 5. 1958 (loc. no. 496), 1 ♂ — E. Afghanistan, Decht-Leily between Daulatabad and Chibergan, 7. 7. 1959 (loc. no. 752), collected by K. Lindberg.

2 ♀♀ — E. Afghanistan, Sarobi, 1100 m., 2. 9. and 7. 10. 1961, collected by G. Ebert.

Cosmopolitan except in cold areas. In Afghanistan previously recorded from W. Afghanistan, Herat, N. Afghanistan, Polichomri, E. Afghanistan, Gulbahar, Sarobi (Hoberlandt 1961), E. Afghanistan, Balgan, Darafulun, Kabul, Kunduz — Imam Saib. Kakul — Jalalabad (Kiritshenko 1963), N. Afghanistan, Taiwara (Miaymoto 1963), E. Afghanistan, Paropamiz mountains, Sabzi pass, valley Dashti Markoh (Muminov 1975).

***Rhopalus (Aeschyntelus) maculatus* (Fieber, 1837)**

1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Mangul, 1250 m., 18. 7. 1952, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, Purstan, 1700 m., 19. 7. 1952, 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 19. 7. 1953, collected by J. Klapperich.

Species of wide Euro-Siberian distribution, In S. W. Asia recorded from Caucasia, Transcaucasia, Iran, Iraq, in Middle Asia recorded from Kirghizia. From Afghanistan previously not recorded, first record.

***Rhopalus (Rhopalus) subrufus* (Gmelin, 1790)**

2 ♂♂ — E. Afghanistan, Nuristan, Bashgul valley, 1200 m., 3. 5. 1953, 1 ♂ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1953, 1 ♂ — N. E. Afghanistan, Badakshan, Shiva, high steppe, 2800 m., 7. 7. 1953, collected by J. Klapperich.

1 ♀ — E. Afghanistan, Sarobi, 1100 m., 7. 10. 1961, collected by G. Ebert.

Species of Palaearctic distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Syria, Israel, Anatolia and Iran. Previously not recorded from Afghanistan, first record.

Rhopalus (Rhopalus) distinctus (Signoret, 1859)

1 ♀ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, collected by J. Klapperich.

Species of Euro-Siberian distribution with southern extension, in S. W. Asia recorded only from Transcaucasia (Talish) and Iran. Previously not recorded from Afghanistan, first record.

Rhopalus (Rhopalus) parumpunctatus (Goeze, 1778)

1 ♂ — E. Afghanistan, Pagman mountains, 2400 m., 6. 7. 1952, 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, 1250 m., 18. 7. 1952, 1 ♀ — 1250 m., 18. 7. 1952, 1 ♀ — 1100 m., 17. 4. 1952, 1 ♂ — 1200 m., 20. 6. 1953, 1 ♀ — Bashgul valley, Pursham, 1700 m., 19. 7. 1952, 1 ♀ — Bashgul valley, Apsai, 2800 m., 20. 7. 1952, 1 ♀ — Bashgul valley, Ahmede Devane, 2800 m., 27. 7. 1952, 2 ♂♂ — Bashgul valley, Kamdesh, 2000 m., 16. 7. 1953, 1 ♂ and 1 ♀ — Bashgul valley, Kamdesh, 2200 m., 17. 7. 1952, 1 ♀ — Bashgul valley, Kutiau, 1500 m., 2. 5. 1953, 1 ♀ — E. Afghanistan, Tangi-Gharuh upon Kabul river, 1600 m., 21. 8. 1952, 1 ♂ and 1 ♀ — E. Afghanistan, Nuristan, Kusr valley, Asmar, 900 m., 3. 4. 1953, 1 ♂ and 5 ♀♀ — N. E. Afghanistan, Badakshan, Faizabad, 1450 m., 2. 7. 1952, 1 ♂ — Badakshan, Vardush valley, Barak, 1650 m., 5. 7. 1953, 2 ♂♂ and 1 ♀ — Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 1 ♀ — Badakshan, Shiva, high steppe, 2800 m., 12. 7. 1953 m., 6. 7. 1953, 1 ♂ — Badakshan, Shiva, high steppe 2800 m., 7. 7. 1953, collected by J. Klapperich.

Species of wide Palaearctic distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Anatolia and Afghanistan (Göllner-Scheiding 1983 without exact locality); the present localities are the first exactly named from the area.

Stictopleurus crassicornis (Linnaeus, 1758)

1 ♂ — E. Afghanistan, Tangi-Gharuh upon Kabul river, 1600 m., 18. 5. 1952, 1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, Mangul, 1250 m., 18. 7. 1952, 1 ♀ — N. E. Afghanistan, Badakshan, Shiva high steppe, 2800 m., 7. 7. 1953, collected by J. Klapperich.

1 ♀ — N. E. Afghanistan, Badakshan, Bala Kuran, 3200 m., 27.—28. 8. 1961, collected by G. Ebert.

Species of Palaearctic distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Israel, Anatolia and Iran, in Soviet Middle Asia recorded from Kazakstan and Kirghizia. Previously not recorded from Afghanistan, first record.

Stictopleurus abutilion (Rossi, 1870)

1 ♂ and 1 ♀ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 11. 4. 1952, 1 ♂ — 17. 4. 1952, 1 ♀ — 1200 m., 15. 4. 1952, 1 ♂ — 3. 5. 1952, 1 ♂ — 6. 4. 1953, 1 ♂ — 1100 m., 11. 4. 1953, 2 ♂♂ and 1 ♀ — Bashgul

valley, Kamdesh, 2000 m., 16. 7. 1952, 1 ♂ and 1 ♀ — 2200 m., 17. 7. 1952, 1 ♂ and 3 ♀♀ — Bashgul valley, Mangul, 1250 m., 18. 7. 1952, 2 ♂♂ and 2 ♀♀ — Bashgul valley, Purstan, 1700 m., 19. 7. 1952, 1 ♂ — Bashgul valley, Ahmede Devane, 2700 m., 23. 7. 1952, 1 ♂ and 4 ♀♀ — E. Afghanistan, Andarab valley, Khinjan, 1240 m., 25. 9. 1952, 1 ♀ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 3 ♂♂ and 1 ♀ — Badakshan, Shiva, high steppe, 2800 m., 7. and 12. 7. 1953, 2 ♂♂ — Badakshan, Faizabad, 1450 m., 2. 7. 1953, 3 ♂♂ — Badakshan, Koksha valley, Senna, 1800 m., 16. 7. 1953, 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 17. 9. 1952, collected by J. Klapperich.

Species of Euro-Siberian distribution with southern extension across the Mediterranean, in S. W. Asia recorded from Caucasia, Anatolia, Israel, Syria, Iraq, Cyprus, Iran, in Afghanistan recorded from Hindu-kush, pass Salang (Muminov 1975) and by Putshkov 1986 and Göllner-Scheiding 1983, without exact [locality].

***Maccevethus errans caucasicus* (Kolenati, 1845)**

1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, 110 m., 22. 4. 1953, 1 ♀ — 1100 m., 24. 4. 1953, 3 ♀♀ — Bashgul valley, 1150 m., 1. 5. 1953, 1 ♂ and 1 ♀ — 9. 5. 1953, 1 ♂ — Bashgul valley, 1200 m., 3. 5. 1953, 2 ♂♂ and 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 2. 5. 1952, 1 ♂ and 1 ♀ — 20. 7. 1953, 2 ♂♂ and 2 ♀♀ — E. Afghanistan, Badakshan, Andarab valley, Khinjan, 1240 m., 25. 9. 1952, 1 ♀ — N. E. Afghanistan, Badakshan, Vardush valley, Tshakaran, 1850 m., 6. 7. 1953, 1 ♀ — Badakshan, Koksha valley, Senna, 1800 m., 16. 7. 1953, 1 ♂ and 2 ♀♀ — N. E. Afghanistan, Badakshan, Koksha valley, Firganu, 2300 m., 20. 7. 1953, collected by J. Klapperich.

1 ♀ — N. Afghanistan, Angout, 15. 10. 1957 (loc. no. 378), collected by K. Lindberg.

Species of Mediterranean distribution, in S. W. Asia recorded from Anatolia, Israel, Lebanon, Syria and Iran. Previously not recorded from Afghanistan, first record.

***Maccevethus corsicus persicus* Jakovlev, 1892**

1 ♂ — E. Afghanistan, Pagman mountains, 2100 m., 14. 6. 1953, 1 ♂ — E. Afghanistan, Nuristan, Bashgul valley, 1100 m., 24. 4. 1953, collected by J. Klapperich.

1 ♂ — E. Afghanistan, Sarobi, 1100 m., 4. 6. 1961, collected by G. Ebert.

Subspecies recorded from Iran, Turkomanistan, Tadjikistan, Uzbekistan and Mongolia. Previously not recorded from Afghanistan, first record. Subspecies *Maccevethus corsicus corsicus* Signoret, 1862 occurs in Mediterranean.

Agrophopus (Agrophopus) suturalis Reuter, 1900

2 ♂♂ and 3 ♀♀ — E. Afghanistan, Sarobi, 1100 m., 6. and 13. 8. 1961, collected by G. Ebert.

Species of Eremian distribution, ranging through Soviet Middle Asia and in Afghanistan, Sudan, Israel, Egypt and Iran. In Afghanistan recorded from E. Afghanistan, Sarobi by Hoberlandt 1961, Göllner-Scheiding 1983 and Putshkov 1986.

Chorosoma gracile Josifov, 1968

1 ♀ — C. Afghanistan, Hazaradjat, Banda-e Mir, 2900 m., 30. 8. 1952, 1 ♀ — E. Afghanistan, vicinity of Kabul, 1740 m., 17. 9. 1952, collected by J. Klapperich.

2 ♂♂ and 4 ♀♀ — E. Afghanistan, Sarobi, 1100 m., 13. 8. 1961, collected by G. Ebert.

Species of East-Mediterranean distribution penetrating to southern parts of USSR, Kazakstan, Turkey and Iran. In Afghanistan previously recorded from Sarobi by Hoberlandt 1961, determined as *Chorosoma schillingii* (Schill.), Göllner-Scheiding 1983 and Putshkov 1986.

Further species of Rhopalidae listed in the fauna of Afghanistan:

Stictopleurus angustus Reuter, 1900 — Afghanistan, without exact locality (Göllner-Scheiding 1983) — species distributed in Soviet Middle Asia and recorded from Iraq, Anatolia and Iran.

Agrophopus (Agrophopus) lethierryi Stål, 1872 — E. Afghanistan, Jalalabad (Muminov 1975) — Mediterranean species.

Conclusion

Family Rhopalidae in Afghanistan is represented by 18 species belonging to 9 genera of which 7 species are new for the fauna of Afghanistan:

Brachycarenum languidus (Horv.)

Rhopalus (A.) maculatus (Fieb.)

Rhopalus (R.) subrufus (Gmel.)

Rhopalus (R.) distinctus (Sig.)

Stictopleurus crassicornis (Lin.)

Maccevethus errans caucasicus (Kol.)

Maccevethus corsicus persicus Jak.

1. Palaearctic element — species of wide palaearctic distribution:

Corizus hyoscyami (Lin.)

Rhopalus (R.) subrufus (Gmel.)

Rhopalus (R.) parumpunctatus (Germ.)

Stictopleurus crassicornis (Lin.)

2. Species of Euro-Siberian distribution:

Brachycarenum tigrinus (Schill.)

Rhopalus (A.) maculatus (Fieb.)

Rhopalus (R.) distinctus (Sign.)

Stictopleurus abutilion (Reut.)

3. Species of Mediterranean distribution:

Maccvethus errans caucasicus (Kol.)

Agraphopus (A.) lethierryi (Kol.)

Chorosoma gracile Jos.

4. Species of Irano-Turanian distribution:

Corizus fenestella subsimilis Horv.

Brachycarenum languidus Horv.

Limacocarenum curtulus Kirit.

Stictopleurus angustus Reut.

Maccvethus corsicus persicus Jak.

5. Species of Eremian distribution:

Agraphopus (A.) suturalis Reut.

6. Cosmopolitan:

Liorhyssus hyalinus (Fab.)

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