

Results of the Zoological Explorations by Dr. Z. Kaszab in Mongolia

133. Heteroptera (1): Berytidae, Pyrrhocoridae, Rhopalidae, Coreidae, Acanthosomatidae, Cydnidae, Scutelleridae, Pentatomidae.

By

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Through the kindness of Dr. Zoltán Kaszab and Dr. Árpád Soós I have since 1963 regularly received for identification specimens of Heteroptera collected during the expeditions in Mongolia by Dr. Zoltán Kaszab and I wish to thank them for their kindness.

This is the first part of the publications on Heteroptera dealing with Berytidae, Pyrrhocoridae, Rhopalidae, Coreidae, Acanthosomatidae, Cydnidae, Scutelleridae and Pentatomidae and consists of the material collected in the years 1963, 1964 and 1965.

Dr. I. M. Kerzhner from Leningrad consulted and helped by the determination of some species and I also wish to express my sincere thanks for his co-operation.

Berytidae

Berytinus clavipes (Fabricius, 1775)

1 ♀ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500—1800 m., 22.—23. VII. 1965 (loc. no. 298).

Species of Eurosiberian distribution. Not previously recorded from Mongolia.

Pyrrhocoridae

Pyrrhocoris tibialis Stål, 1874

2 ♂♂ and 2 ♀♀ — C. Mongolia: East Gobi aimak, Ulan Chosu, 30 km. S. E. of Čojran, 1200 m., 21. VI. 1963 (loc. no. 15); 2 ♀♀ — S. Mongolia: East Gobi aimak, 54 km. N. N. W. of Sainschand, 970 m., 28. VI. 1963 (loc. no. 49); 3 ♀♀ — C. Mongolia: East Gobi aimak, 30 km. N. N. W. of Chara-Eireg, 1120 m., 30. VI. 1963 (loc. no. 60); 1 ♂ and 1 ♀: Central Gobi aimak, 70 km. S. W. of somon Erdenedalaj, 1400 m., 18. VI. 1964 (loc. no. 137); 1 ♀: Chentej aimak, 7 km. N. E. of Somon Mörön, 1200 m., 22. VIII. 1965 (loc. no. 462).

Species recorded from East Siberia, North Korea, Japan. Recorded from Mongolia (Lake Chubsugul, Charchorin) by Hoberlandt (1968 a, b).

***Pyrrhocoris fuscopunctatus* Stål, 1858**

2 ♂♂ — S. Mongolia: East Gobi aimak, 54 km. N.N.W. of Sainschand, 970 m., 28. VI. 1963 [loc. no. 49]; 1 ♀ — C. Mongolia: East Gobi aimak, 30 km. N.N.W. of Chara-Eireg, 1120 m., 30. VI. 1965 [loc. no. 60]; 2 ♂♂: Central Gobi aimak, 70 km. S. W. of somon Erdenedelaj, 1400 m., 16. VI. 1964 [loc. no. 137].

Species recorded from East Siberia (Transbaikalia, Irkutsk) and N. Mongolia (Reuter 1891 and Oshanin 1906, 1912).

Rhopalidae

***Corizus tetraspilus* Horváth, 1917**

1 ♀ — N. Mongolia: Central aimak, Ulaanbaator, Zaisan in Bogdo ul mountains, 1420—1500 m., 18. VI. 1963 [loc. no. 6]; 2 ♂♂ and 1 ♀: Central aimak, Zuun-Chara, 1390 m., 8. VII. 1963 [loc. no. 98]; 1 ♂ and 1 ♀: Central aimak, Zuun-Chara, Kusin ul, 1450 m., 9. VII. 1963 [loc. no. 101]; 9 ♂♂ and 3 ♀♀: Central aimak, Boro gol, 20 km. E. of Zuun-Chara, 1400 m., 9. VII. 1963 [loc. no. 106]; 1 ♂ and 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 12. VI. 1964 [loc. no. 118]; 1 ♀ — S. Mongolia: South Gobi aimak, Gurban Sajchan ul, 30 km. S. of somon Bulgan, 1700 m., 19. VI. 1964 [loc. no. 157]; 3 ♂♂ and 4 ♀♀ — N. Mongolia: Urchangaj aimak, Arc Bogd ul, 20 km. S. of somon Chovd, 1760 m., 21. VI. 1964 [loc. no. 170]; 3 ♂♂ and 2 ♀♀ — C. Mongolia: Central aimak, 12 km. W. of somon Lun, 1300 m., 3. and 4. VII. 1964 [loc. no. 258, 262]; 1 ♂ and 3 ♀♀ — N. Mongolia: Central aimak, Zuun-Chara, Dusch ul, 1100 m., 8. VII. 1964 [loc. no. 284]; 2 ♂♂ and 3 ♀♀ — N. E. Mongolia: Čojbalsan aimak, 20 km. S. W. of somon Bajan-uul, 820 m., 18. VIII. 1965 [loc. no. 444]; 3 ♂♂ and 1 ♀ — C. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchan, 1250 m., 24. VIII. 1965 [loc. no. 476].

Species distributed in Central Asia and Soviet Middle Asia, China, North Korea, Maritime Territory in Soviet Far East, whole of Mongolia (Kerzhner 1962).

***Corizus hyoscyami* (Linnaeus, 1758)**

2 ♂♂ — N. Mongolia: Central aimak, Boro gol, 20 km. E. of Zuun-Chara, 1400 m., 9. VII. 1963 [loc. no. 106]; 1 ♀: Central aimak, 130 km. N. of Ulaanbaator, 1450 m., 9. VII. 1963 [loc. no. 110]; 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 12. VI. 1963 [loc. no. 118]; 2 ♂♂ and 1 ♀: Central aimak, 16 km. S. E. of somon Bajanzogt, 4. VII. 1964 [loc. no. 264]; 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 6. VII. 1964 [loc. no. 273]; 4 ♂♂ and 11 ♀♀: Central aimak, 126 km. N. of Ulaanbaator, 1100 m., 7. VII. 1964 [loc. no. 278]; 1 ♀: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 [loc. no. 281]; 2 ♂♂ and 3 ♀♀ — N. E. Mongolia: Čojbalsan aimak, 20 km. S. W. of somon Bajan-uul, 820 m., 18. VIII. 1965 [loc. no. 444].

Species of wide Palaearctic distribution, recorded from Mongolia (Charchorin) by Hoberlandt (1968 a).

***Rhopalus parumpunctatus* (Schilling, 1817)**

1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 [loc. no. 281].

Species of Palaearctic distribution, recorded from Tuva by Tsherepanov and Kiritshenko (1962) and from Mongolia (Unt) by Hoberlandt (1968 b).

Rhopalus maculatus (Fieber, 1826)

1 ♂ — N. Mongolia: Central aimak, Boro gol, 20 km. E. of Zuun-Chara, 1400 m., 9. VII. 1963 (loc. no. 106).

Species of Eurosiberian distribution, not previously recorded from Mongolia.

Stictopleurus crassicornis (Linnaeus, 1758)

1 ♀ — C. Mongolia: Central aimak, Ganz modni dava, 66 km. E. S. E. of Ulaanbaator, 1700 m., 5. VII. 1963 (loc. no. 94); 1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 1390 m., 8. VII. 1963 (loc. no. 98); 2 ♀♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 2 ♂♂ and 1 ♀: Central aimak, Ulaanbaator, Zaisan in Bogdo ul mountains, 1450—1500 m., 15. VI. 1964 (loc. no. 124); 2 ♀♀: Central aimak, 16 km. S. E. of somon Bajanzogt, 4. VII. 1964 (loc. no. 264).

Species of Eurosiberian distribution, recorded from Tuva by Tsherepanov and Kiritshenko (1962) and from Mongolia (Zaisan-Nucht, Bulgan, Lake Chubsugul) by Hoberlandt (1968 b).

Stictopleurus nysioides Reuter, 1891

4 ♂♂ — S. Mongolia: East Gobi aimak, 60—70 km. N. N. W. of Sainschand, 1000 m., 29. VI. 1963 (loc. no. 52); 15 ♀♀ — C. Mongolia: East Gobi aimak, 40 km. N. W. of Cahar-Eireg, 1150 m., 30. VI. 1963 (loc. no. 62); 1 ♂ and 1 ♀: East Gobi aimak, 25 km. S. E. of Čojran, 1200 m., 30. VI. 1963 (loc. no. 68); 4 ♂♂ and 1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 1300 m., 8. VII. 1963 (loc. no. 98); 1 ♂: Central aimak, Zuun-Chara (Chara gol), 1420 m., 9. VII. 1963 (loc. no. 105); 2 ♂♂ and 2 ♀♀: Central aimak, Boro gol, 20 km. E. of Zuun-Chara, 1400 m., 9. VII. 1963 (loc. no. 106); 6 ♂♂ and 3 ♀♀ — C. Mongolia: Uburchangaj aimak, Arc bogd ul, 20 km. S. of somon Chovd. 1760 m., 22. VI. 1964 (loc. no. 170); 6 ♂♂ and 5 ♀♀: Uburchangaj aimak, Baga Bogd ul, between somon Bogd and somon Baruun-ulaan, 1900 m., 23. VI. 1964 (loc. no. 176); 1 ♀: Bajanchongor aimak, Changaj mountains, 5 km. E. of Bajanchongor, 2000 m., 27. VI. 1964 (loc. no. 208); 2 ♀♀: Uburchangaj aimak, Changaj mountains, 18 km. S. of somon Chužirt, 1830 m., 29. VI. 1964 (loc. no. 223); 4 ♂♂ and 2 ♀♀: Uburchangaj aimak, Changaj mountains, 2 km. S. of somon Shanch, 1690 m., 30. VI. 1964 (loc. no. 230); 1 ♂: Archangaj aimak, 24 km. N. of somon Lun, 1520 m., 1. VII. 1964 (loc. no. 238); 2 ♂♂: Bulgan aimak, 5 km. E. of somon Abzaga, 1400 m., 2. VII. 1964 (loc. no. 251); 1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281); 4 ♂♂ and 4 ♀♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500—1800 m., 22.—23. VII. 1965 (loc. no. 298); 1 ♀ — C. Mongolia: Chentej aimak, 150 km. E. N. E. of Öndörchaan, 10 km. S. of river Kerulen and 10 km. N. of somon Tumunzogt, 1000 m., 30. VII. 1965 (loc. no. 331); 2 ♂♂: Suchebaator aimak, Chadatin-bulan, 60 km. N. of somon Bajanteran, 950 m., 31. VII. 1965 (loc. no. 340); 10 ♂♂ and 6 ♀♀: Suchebaator aimak, 44 km. S. S. W. of Baruun urt, 1050 m., 2. and 3. VIII. 1965 (loc. no. 349); 1 ♀ — S. E. Mongolia: Suchebaator aimak, Ongom elis, 10 km. S. of somon Chongor, 900 m., 3.—4. VIII. 1965 (loc. no. 356); 2 ♂♂: Suchebaator aimak, river Bajan gol, 85 km. N. E. of somon Dariganga, 1100 m., 8. VIII. 1965 (loc. no. 377); 1 ♀: Suchebaator aimak, 45 km. N. of somon Erdenezagan, 900 m., 9. VIII. 1965 (loc. no. 381); 2 ♂♂ and 4 ♀♀ — E. Mongolia: Čojbalsan aimak, 40 km. E. of somon Tamzagbulag, 600 m. 11. VIII. 1965 (loc. no. 389). 1 ♀: Čojbalsan aimak, Chamardavaa ul, 80 km. S. E. of somon Chalchingol, 600 m., 13. VIII. 1965 (loc. no. 401); 2 ♀♀ — N. Mongolia: Čojbalsan aimak, 160 km. W. of Lake Bujr nur, Menengijn tal, 600 m., 15. VIII. 1965 (loc. no. 416).

Species of Siberian distribution (type locality: Vrhne Sujetuk), recorded from Tuva by Tsherepanov and Kiritshenko (1962) and recently from Mongolia (Zuun Chara, Ulaanbaator) by Hoberlandt (1968 a, b).

Stictopleurus punctatonervosus [Goeze, 1778]

1 ♂ — N. Mongolia: Ulaanbaator, Nucht in Bogdo ul mountains, 1600 m., 27. VIII. 1965 [loc. no. 486].

Species of Eurosiberian distribution, recorded from Tuva by Tsherepanov and Kiritschenko (1962) and recently from Mongolia (Bulgan) by Hoberlandt (1968 b).

Myrmus glabellus Horváth, 1904

1 ♀ — N. Mongolia: Central aimak, Zuun Chara, 850 m., 8. VII. 1964 [loc. no. 281]; 1 ♀ — C. Mongolia: Chentej aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. E. of Zenchermandal, 1400 m., 27.—28. VII. 1965 [loc. no. 311]; 3 ♂♂ and 9 ♀♀ — N. Mongolia: Chentej aimak, Čandagan tal, 40 km. E. Žargaltchaan, 1300 m., 28. VII. 1965 [loc. no. 316]; 2 ♂♂ and 4 ♀♀ — C. Mongolia: Chentej aimak, 7 km. N. E. of somon Mörön, 1200 m., 28.—29. VII. 1965 [loc. no. 319, 323]; 1 ♀ — E. Mongolia: Čojbalsan aimak, 40 km. E. of somon Tamzag-bulag 600 m., 11. VIII. 1965 [loc. no. 389]; 1 ♀ — E. Mongolia: Čojbalsan aimak, 44 km. N. W. of Čojbalsan, 750 m., 17. VIII. 1965 [loc. no. 425]; 2 ♂♂ and 4 ♀♀ — C. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchaan, 1250 m., 24. VIII. 1965 [loc. no. 476].

Species recorded from Soviet Middle Asia, Siberia, China and Mongolia [Ikhe-Bogdo, Bishikte, Chalchin-Tol; Songino]; Kerzhner 1966, Hoberlandt (1968 b).

Myrmus calcaratus Reuter, 1891

1 ♂ and 1 ♀ — C. Mongolia: Chentej aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. E. of Zenchermandal, 1400 m., 27.—28. VII. 1965 [loc. no. 311]; 1 ♂ — N. Mongolia: Chentej aimak, Čandagan tal, 40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 [loc. no. 316]; 4 ♂♂ and 1 ♀ — C. Mongolia: Changaj aimak, somon Tumunzagt, 160 km. E. N. E. of Öndörchaan, 1000 m., 31. VII. 1965 [loc. no. 338]; 1 ♂ — E. Mongolia: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 [loc. no. 433].

Species recorded from Southern part of European USSR, from Soviet Middle Asia, from Siberia and China. Recorded from Tuva by Tsherepanov and Kiritschenko (1962) and from Mongolia (Ulaanbaator, Bogdo ul, Songino, Zaisan — Nucht, Unt, Lake Chubsugul) by Hoberlandt (1968 a, b).

Myrmus miriformis miriformis (Fallen, 1887)

2 ♂♂ — N. Mongolia: Central aimak, Songino, 24 km. S. W. of Ulaanbaator, 1300 m., 13. VIII. 1963 [loc. no. 113]; 1 ♂: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 6. VII. 1964 [loc. no. 273]; 1 ♂: Central aimak, 126 km. N. of Ulaanbaator, 1100 m., 7. VII. 1964 [loc. no. 278]; 1 ♀: Central aimak, Ulaanbaator, 1200 m., 9. VII. 1964 [loc. no. 292]; 8 ♂♂ and 6 ♀♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500—1800 m., 22.—23. VII. 1965 [loc. no. 298]; 1 ♂ — C. Mongolia: Chentej aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. W. of Zenchermandal, 1400 m., 27.—28. VII. 1965 [loc. no. 311]; 1 ♂ — N. Mongolia: Čojbalsan aimak, 31 km. S. E. of somon Bajan-uul, 750 m., 18. VIII. 1965 [loc. no. 439]; 2 ♀♀ — E. Mongolia: Čojbalsan aimak, 30 km. S. W. of somon Bajan-uul, 826 m., 18. VIII. 1965 [loc. no. 443 and 444]; 2 ♂♂ and 1 ♀ — N. Mongolia: Chentej aimak, 20 km. S. W. of somon Norovlin, 900 m., 19. VIII. 1965 [loc. no. 449]; 2 ♀♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1600 m., 27. VIII. 1965 [loc. no. 486]; 1 ♀ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 29. VIII. 1965 [loc. no. 489].

Species of Eurosiberian distribution, in Mongolia recorded from Northern part southwards as far as Duhavchland (Uljasutaj) and the river Kerulen (Kerzhner 1966) and from numerous places between Ulaanbaator and Lake Chubsugul (Hoberlandt 1968 b).

Chorosoma schillingi (Schilling, 1817)

2 nymphs — C. Mongolia: East Gobi aimak, 25 km. S. E. of Čojran, 1200 m., 30. VI. 1965 (loc. no. 68); 9 nymphs — N. Mongolia: Central aimak, 26 km. E. of somon Lun, 1180 m., 3. VII. 1964 (loc. no. 259); 1 ♀ — C. Mongolia: Central aimak, river Kerulen, 45 km. E. of somon Bajandelger, 1350—1400 m., 26. VII. 1965 (loc. no. 305); 9 ♂♂ and 8 ♀♀: Chentej aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. E. of Zenchermandal, 1400 m., 27.—28. VII. 1965 (loc. no. 311); 10 ♂♂ and 11 ♀♀ — N. Mongolia: Chentej aimak, Čandagan tal, 40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 (loc. no. 316); 9 ♂♂ and 8 ♀♀ — C. Mongolia: Chentej aimak, 7 km. N. E. of somon Mörön, 1200 m., 28.—29. VII. 1965 (loc. no. 319); 13 ♂♂ and 15 ♀♀: Chentej aimak, 150 km. E. N. E. of Öndörchaan, 10 km. S. of river Kerulen and 10 km. N. of somon Tumunzagt, 1000 m., 30. VII. 1965 (loc. no. 331); 2 ♂♂ and 2 ♀♀: Suchebaator aimak, Chadatin-bulan, 60 km. E. of somon Bajanterem, 950 m., 31. VII. 1965 (loc. no. 340); 2 ♂♂ and 4 ♀♀: Suchebaator aimak, 44 km. S. S. W. of Buruun urt, 1050 m., 2.—3. VIII. 1965 (loc. no. 349); 1 ♂ and 1 ♀ — S. Mongolia: Suchebaator aimak, Ongon elis, 10 km. S. of somon Chongor, 900 m., 3.—4. VIII. 1965 (loc. no. 356); 1 ♂: Suchebaator aimak, Molzog elis, 2 km. S. of somon Dariganga, 1150 m., 5. VIII. 1965 (loc. no. 365); 1 ♂ and 4 ♀♀: Suchebaator aimak, 5 km. N. E. of somon Dariganga, 1150 m., 8. VIII. 1965 (loc. no. 374 b); 2 ♂♂: Suchebaator aimak, river Bajan gol, 85 km. N. E. of somon Dariganga, 1100 m., 8. VIII. 1965 (loc. no. 377); 1 ♂ and 2 ♀♀: Suchebaator aimak, 45 km. N. of somon Erdenezagan, 900 m., 9. VIII. 1965 (loc. no. 381); 4 ♂♂ and 3 ♀♀ — E. Mongolia: Čojbalsan aimak, 40 km. E. of somon Tamzagbulag, 600 m., 11. VIII. 1965 (loc. no. 389); 2 ♂♂ and 4 ♀♀: Čojbalsan aimak, Chamardavaa ul, 80 km. S. E. of somon Chalchingol, 700 m., 13. VIII. 1965 (loc. no. 405); 1 ♀: Čojbalsan aimak, 160 km. W. of Lake Bujur nur, Memengijn tal, 600 m., 15. VIII. 1965 (loc. no. 416); 1 ♂ and 3 ♀♀: Čojbalsan aimak, 90 km. S. E. of Čojbalsan, Menengijn tal, 700 m., 16. VIII. 1965 (loc. no. 421); 3 ♂♂ and 3 ♀♀: Čojbalsan aimak, 44 km. N. W. of Čojbalsan, 750 m., 17. VIII. 1965 (loc. no. 425); 12 ♂♂ and 9 ♀♀: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 8 ♂♂ and 3 ♀♀: Čojbalsan aimak, 30 km. S. W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444); 1 ♂ and 4 ♀♀ — C. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchaan, 1250 m., 24. VIII. 1965 (loc. no. 476); 2 ♀♀ — E. Mongolia: Čojbalsan aimak, 80 km. N. W. of Čojbalsan, 700 m., 17. VIII. 1965 (loc. no. 429).

Species of Eurosiberian distribution. From Mongolia (region of Ulaanbaator, Bulgan, Bajan-Agt, Unt, Lake Chubsugul) recorded by Hoberlandt (1968 b).

Coreidae

Coreus sibiricus (Jakovlev, 1889)

1 ♂ and 1 nymph — N. Mongolia: Central aimak, Zuun-Chara, Kusin ul, 1450 m., 9. VIII. 1963 (loc. no. 102); 1 ♂: Central aimak, Boro gol, 20 km. E. of Zuun-Chara, 1400 m., 9. VII. 1963 (loc. no. 107).

Species recorded from Soviet Middle Asia, China, E. Siberia and N. Mongolia (Oshanin 1906, 1912 and Kiritshenko 1916).

Coriomeris scabricornis (Panzer, 1809)

1 ♀ — N. Mongolia: Central aimak: Ulaanbaator, Nucht in Bogdo ul mountains, 1500—1800 m., 22.—23. VIII. 1965 (loc. no. 298); 1 ♂: Chentej aimak, Čandagan tal, 40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 (loc. no. 316); 1 ♂ — E. Mongolia:

Čojbalsan aimak, Chamardavaa ul, 80 km. S.E. of somon Chalchin-chol, 600 m., 13. VIII. 1965 (loc. no. 401); 1 ♂ — N. Mongolia: Čojbalsan aimak, 32 km. S.E. of somon Najan-uul, 750 m., 18. VIII. 1965 (loc. no. 439).

Species of Eurosiberian distribution, recorded from Tuva by Tsherepanov and Kiritschenko (1962) and Mongolia (Unt, Lake Chubsugul, Bajan-Agt) by Hoberlandt (1968 b).

Alydus calcaratus (Linnaeus, 1758)

1 ♂ — N. Mongolia: Bajan Zurch sun, 30 km. E. of Ulaanbaator, 1300 m., 16. VI. 1963 (loc. no. 1); 1 ♀: Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m. 16. VI. 1963 (loc. no. 4); 1 ♂ and 1 ♀: 9 km. E. of Nalajch, 50 km. E. of Ulaanbaator, 1300 m., 20. VI. 1963 (loc. no. 10); 2 ♂♂ and 3 ♀♀ — C. Mongolia: Central aimak, Borulcin talam, cea 100 km. S.E. of Ulaanbaator, 1400 m., 4. VII. 1963 (loc. no. 88); 1 ♂ and 1 ♀: Uburchangaj aimak, Changaj mountains, 30 km. N. of Arbaicher, 1870 m., 29. VI. 1964 (loc. no. 222); 1 ♂: Archangaj aimak, 20 km. N. of Charchorin, 1640 m., 1. VII. 1964 (loc. no. 234); 1 ♀: Archangaj aimak, 24 km. N. of somon Lun, 1520 m., 1. VII. 1964 (loc. no. 237); 1 ♀ — N. Mongolia: Central aimak, 126 km. E. of Ulaanbaator, 1100 m., 7. VII. 1964 (loc. no. 278); 1 ♂: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281); 1 ♂ — N. Mongolia: Central aimak, Zuun-Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 283); 1 ♂ — C. Mongolia: Central aimak, river Kerulen, 45 km. E. of somon Bajandelger, 1400 m., 26. VII. 1965 (loc. no. 304); 2 ♂♂: Central aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. E. of Zenchermandal 1400 m., 27. VII. 1965 (loc. no. 312); 10 ♂♂ and 1 ♀: Chentej aimak, 7 km. N.E. of somon Mörön, 1200 m., 28.—29. VII. 1965 (loc. no. 320 and 323); 1 ♀: Changaj aimak, somon Tumunzagt, 160 km. E.N.E. of Öndörchan, 1000 m., 31. VII. 1965 (loc. no. 337); 1 ♂ — S. Mongolia: Suchebaator aimak, 5 km. N.E. of somon Dariganga, 1150 m., 8. VIII. 1965 (loc. no. 374 b); 1 ♀ — E. Mongolia: Čojbalsan aimak, 90 km. S.E. of Čojbalsan, Memengijn tal, 650 m., 15. VIII. 1965 (loc. no. 418); 1 ♀: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 1 ♀: Čojbalsan aimak, 30 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444); 1 ♂ and 1 ♀ — C. Mongolia: Chentej aimak, 7 km. N.E. of somon Mörön, 1200 m., 22. VIII. 1965 (loc. no. 462 and 465).

Species of Holarctic distribution, recorded from Tuva by Tsherepanov and Kiritschenko (1962) and from Mongolia (North) by Horváth (1901), Oshahin (1906 and 1912) and Hoberlandt (1968 a, b).

Megalotomus junceus (Scopoli, 1763)

2 ♂♂ and 1 ♀ — E. Mongolia: Čojbalsan aimak, 30 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 443 and 444).

Species of Eurosiberian distribution. Recorded from N. Mongolia (Unt) by Hoberlandt (1968 b).

Megalotomus ornaticeps (Stål, 1858)

3 ♂♂ — N. Mongolia: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281—282); 3 ♂♂ — E. Mongolia: Čojbalsan aimak, 20 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 443, 444); 2 ♂♂ — N.E. Mongolia: Chentej aimak, 20 km. S.W. of somon Norovlin, 900 m., 19. VIII. 1965 (loc. no. 449).

Species recorded from Southern parts of USSR, Soviet Middle Asia and Siberia, recorded from Tuva by Tsherepanov and Kiritschenko (1962) and from Mongolia (Ulaanbaator, Bulgan, Unt) by Hoberlandt (1968 b).

Acanthosomatidae

Elasmucha grisea (Linnaeus, 1758)

4 ♂♂ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 1 ♀: Central aimak, S.E. of somon Bajanzogt, 4. VII. 1964 (loc. no. 264); 1 ♂: Central aimak, 126 km. N. of Ulaanbaator, 1100 m., 7. VII. 1964 (loc. no. 278); 1 ♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1800 m., 23. VII. 1965 (loc. no. 300); 5 ♂♂ and 7 ♀♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1600 m., 27. VIII. 1965 (loc. no. 486); 1 ♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 29. VIII. 1965 (loc. no. 489).

Species of Eurosiberian distribution, recorded from Tuva by Tsherepanov and Kiritshenko (1962) and Mongolia by Oshanin (1912) and from Archangai, Charchorin, Ulaanbaator, Unt by Hoberlandt (1968 a, b).

Pentatomidae

Sternodontus similis (Stål, 1857)

1 ♀ — N. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchaan, 1250 m., 23. VIII. 1965 (loc. no. 476).

Species distributed in E. Siberia, Tuva and Mongolia (Putshkov 1965), recorded from Bajan-Agt, Unt and Lake Chubsugul by Hoberlandt (1968 b).

Sciocoris (Aposciocoris) microphthalmus poppiusi Wagner, 1965

1 ♀ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 12. VI. 1964 (loc. no. 123); 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 6. VII. 1964 (loc. no. 273); 9 ♂♂ and 4 ♀♀: Čojbalsan aimak, 15 km. N. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 2 ♂♂ and 2 ♀♀: Čojbalsan aimak, 20 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444).

Species of Eurosiberian distribution, the subspecies *poppiusi* is recorded only from Bulgaria, W. Siberia and Mongolia (Wagner 1965), from Ulaanbaator, Bulgan, Unt and Bajan-Agt by Hoberlandt (1968 b).

Masthletinus abbreviatus Reuter, 1879

1 ♂ — C. Mongolia: Uburchangaj aimak, Changaj mountains, 8 km. S. of Charchorin, 1600 m., 30. VI. 1964 (loc. no. 231); 1 ♂ — N. Mongolia: Chentej aimak, Čandagan tal, 40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 (loc. no. 316); 1 ♂: Chentej aimak, 7 km. N.E. of somon Mörön, 1200 m., 28.—29. VII. 1965 (loc. no. 320); 1 ♂ and 3 ♀♀: Chentej aimak, 7 km. N.E. of somon Mörön, 1200 m., 29.—31. VII. 1965 (loc. no. 323); 1 ♀ — E. Mongolia: Chamardavaa ul, 80 km. S. E. of somon Chalchingol, 700 m., 13. VIII. 1965 (loc. no. 405).

Species of wide Siberian distribution, in Mongolia recorded from Unt, Bajat-Agt by Hoberlandt (1968 b).

Aelia sibirica Reuter, 1886

1 nymph — C. Mongolia: East Gobi aimak, 20 km. S.E. of Čojren, 1200 m., 1. VII. 1963 (loc. no. 70); 1 ♀ — N. Mongolia: Central aimak, Ulaanbaator (Tola), 1300—1400 m., 11. VI. 1964 (loc. no. 117); 1 ♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 1 ♀ — C. Mongolia: Ubur-

changaj aimak, Changaj mountains, 18 km. S. of somon Chužirt, 1830 m., 29. VI. 1964 (loc. no. 223); 1 ♀: Bulgan aimak, 5 km. E. of somon Abzaga, 1400 m., 2. VII. 1964 (loc. no. 251); 1 ♀: Central aimak, 12 km. W. of somon Lun, 1300 m., 3. VII. 1964 (loc. no. 258); 1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281); 1 ♀: Chentej aimak, between somon Zenchermandal and somon Žargaltchaan, 10 km. E. of Zenchermandal, 1400 m., 21. VII. 1965 (loc. no. 311); 2 ♀♀ — N. Mongolia: Chentej aimak, Čandagan tal, 40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 (loc. no. 316); 1 ♀ — C. Mongolia: Suchebaator aimak, Chadatin-bulan, 60 km. W. of somon Bajanterem, 950 m., 31. VII. 1965 (loc. no. 340); 2 ♂♂: Suchebaator aimak, 44 km. S. S. W. of Buruun urt, 1050 m., 2.—3. VIII. 1965 (loc. no. 349); 1 ♀ — S. Mongolia: Suchebaator aimak, 5 km. N. E. of somon Dariganga, 1150 m., 8. VIII. 1965 (loc. no. 374 b); 1 ♀: Suchebaator aimak, river Bajan gol, 85 km. N. E. of somon Dariganga, 1100 m., 8. VIII. 1965 (loc. no. 377); 1 ♂ and 1 ♀ — E. Mongolia: Čojbalsan aimak, 90 km. S. E. of Čojbalsan, Menengijn tal, 700 m., 16. VIII. 1965 (loc. no. 421); 2 ♂♂: Čojbalsan aimak, 15 km. N. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 4 ♂♂ and 3 ♀♀ — N. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchaan, 1250 m., 24. VIII. 1965 (loc. no. 476).

Species of wide distribution in Asia, mainly from Siberia and Soviet Middle Asia, recorded from Mongolia by Puthkov (1965) and from different places of N. Mongolia by Hoberlandt (1968 b).

Phaeocoris melanocerus {Horváth, 1903}

1 ♀ — N. Mongolia: Central aimak, Zuun Chara, Kusin ul, 1450 m., 9. VII. 1963 (loc. no. 102); 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1600 to 1700 m., 22. VII. 1965 (loc. no. 297).

Species described from Mongolia: Changaj, Kukunor {Horváth 1903}, province of Ulaanbaator {Hoberlandt 1968 a}.

Rubiconia intermedia {Wolff, 1811}

1 ♀ — N. Mongolia: Central aimak, Zuun Chara, 1390 m., 8. VII. 1963 (loc. no. 98); 5 ♂♂ and 5 ♀♀: Central aimak, Boro gol, 20 km. E. of Zuun Chara, 1400 m., 9. VII. 1963 (loc. no. 106); 4 ♂♂ and 5 ♀♀: Central aimak, Zuun Chara, Dusch ul, 1100 m., 8. VII. 1964 (loc. no. 284); 1 ♀: Čojbalsan aimak, 20 km. S. W. of somon Bajan-ul 820 m., 18. VIII. 1965 (loc. no. 444).

Species of Eurosiberian distribution, recorded further from Japan, China and Mongolia {Charchorin, Bulgan, Unt, Bajan-Agt, Lake Chub-sugul} by Oshanin (1906, 1912) and Hoberlandt (1968 a, b).

Holcostethus vernalis {Wolff, 1804}

1 ♀ — C. Mongolia: East Gobi aimak, 40 km. N.W. of Chara Eirag, 1150 m., 30. VI. 1965 (loc. no. 62).

Species of Palaearctic distribution. I do not know any published record from Mongolia.

Carpocoris (Carpocoris) purpureipennis {De Geer, 1775}

5 ♂♂ and 3 ♀♀ — N. Mongolia: Central aimak, Zuun Chara, 1390 m., 8. VII. 1965 (loc. no. 98); 1 ♂ and 1 ♀: Zuun Chara, Kusin ul, 1450 m., 9. VII. 1963 (loc. no. 102); 1 ♂: Central aimak, Ulaanbaator, Tola, 1300—1400 m., 11. VI. 1964 (loc. no. 117); 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 1 ♀: Central aimak, 26 km., E. of somon Lun, 1180 m., 4. VII. 1964 (loc. no. 261); 1 ♂: Central aimak, 16 km. S. E. of somon Bajan-zogt, 4. VII. 1964

{loc. no. 263}; 2 ♀♀: Central aimak, 126 km. N. of Ulaanbaator, 1100 m., 7. VII. 1964 (loc. no. 278); 1 ♂ and 2 ♀♀: Central aimak, Zuun Chara, 850 m., 8. VII. 1964 (loc. no. 281); 3 ♂♂ and 2 ♀♀: Central aimak, Zuun Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 284); 2 ♂♂: Čojbalsan aimak, 20 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444); 3 ♂♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500—1800 m., 27. VIII. 1965 (loc. no. 485); 2 ♂♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 29. VIII. 1965 (loc. no. 489).

Species of Palaearctic distribution, recorded from Middle Soviet Asia and Mongolia: Kemtshik, Bajan-Agt, Unt, Ulaanbaator (Reuter 1891 and Hoberlandt 1968 b).

Carpocoris (Manciucoris) seidenstückeri Tamanini, 1959

3 ♂♂ — N. Mongolia: Central aimak, 12 km. N. of somon Lun, 1300 m., 3. VII. 1964 (loc. no. 257 and 258); 6 ♂♂ and 3 ♀♀: Central aimak, Zuun Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 283 and 284); 1 ♂: Central aimak, Zuun Chara, 850 m., 8. VII. 1964 (loc. no. 282); 1 ♂: Čojbalsan aimak, 20 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 443); 1 ♂ — E. Mongolia: Suchebaator aimak, 44 km. S. W. of Buruun urt, 1050 m., 2. VIII. 1965 (loc. no. 347); 1 ♂ and 3 ♀♀: Čojbalsan aimak, 15 km. N. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 1 ♂ and 4 ♀♀: Čojbalsan aimak, 20 km. S. W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444).

Species recorded from Manchuria, N. China and Soviet Far East. Not previously recorded from Mongolia.

Codophila varicornis [Jakovlev, 1874]

1 ♀ — S. Mongolia: Suchebaator aimak, river Bajan gol, 85 km. N.E. of somon Dariganga, 1100 m., 9. VIII. 1965 (loc. no. 377); 1 ♂ and 1 ♀ — N. Mongolia: Čojbalsan aimak, 15 km. N. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 1 ♀: Chantej aimak, 20 km. S. W. of somon Norovlin, 900 m., 19. VIII. 1965 (loc. no. 449).

Species of Eurosibirian distribution. Not previously recorded from Mongolia.

Antheminia lindbergi Tamanini, 1962

1 ♂ — C. Mongolia: Uburchangaj aimak, Baga bogd ul, between somon Bogd and somon Bajan-ulaan, 1900 m., 23. VI. 1964 (loc. no. 175).

Recorded from N.E. Mongolia (type locality: Lake Buir) by Tamanini (1962), from Buryat and C. China.

Antheminia pusio esakii Tamanini, 1962

1 ♀ — N. Mongolia: Central aimak: Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 16. VI. 1963 (loc. no. 4); 1 ♀ — C. Mongolia: East Gobi aimak, Ulan-chosu, 30 km. S. E. of Čojren, 1200 m., 21. VI. 1965 (loc. no. 15); 1 ♂ — S. Mongolia: East Gobi aimak, 60—70 km. N. N. W. of Sainschand, 1000 m., 29. VI. 1963 (loc. no. 52); 1 ♀: Central aimak, Teregtin tal, 1350 m., 2. VII. 1963 (loc. no. 73); 2 ♂♂ — N. Mongolia: Central aimak. Zuun-Chara, 1390 m., 8. VII. 1963 (loc. no. 98); 1 ♂ and 1 ♀: Central aimak, Ulaanbaator (Toia) 1300—1400 m., 11. VI. 1964 (loc. no. 117); 1 ♀ — C. Mongolia: Uburchangaj aimak, Bag Bogd ul, between somon Bogd and somon Buruun Bajan-ulaan, 1900 m., 22. VI. 1964 (loc. no. 175); 1 ♀ — S. E. Mongolia: Suchebaator aimak, Ongon elis, 10 km. S. of somon Chongor, 900 m., 3.—4. VIII. 1965 (loc. no. 356); 1 ♀ — C. Mongolia: Suchebaator aimak, 44 km. S. S. W. of Bauun urt, 1050 m., 2.—3. VIII. 1965 (loc. no. 349); 1 ♀ — E. Mongolia: Čojbalsan aimak, 90 km. S. E. of Čojbalsan, Menengijn tal, 650 m., 15. VIII. 1965 (loc. no. 418); 2 ♂♂ and 2 ♀♀: Čojbalsan aimak, 50 km. S. E. of Čojbalsan, 700 m., 15. VIII. 1965 (loc. no. 421); 1 ♀: Čojbalsan aimak, 44 km. N. W. of Čojbalsan,

750 m., 17. VIII. 1965 (loc. no. 425); 4 ♂♂: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 2 ♀♀: Čojbalsan aimak, 30 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444); 1 ♂ and 2 ♀♀ — N Mongolia: Chentej aimak, 10 km W. of somon Delgerchaan, 1250 m., 24. VIII. 1965 (loc. no. 476).

Species recorded from N. China and N. Mongolia (Barhu, Baingol in Keneti mountains) by Tamanini (1962).

***Dolycoris baccarum* (Linnaeus, 1758)**

2 ♀♀ — N. Mongolia: Central aimak, Zuun-Chara, 1390 m., 8. VII. 1963 (loc. no. 98); 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 1 ♂ and 3 ♀♀: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281—282); 1 ♀: Central aimak, Zuun-Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 284); 1 ♀: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 6 ♂♂ and 5 ♀♀ — E. Mongolia: Čojbalsan aimak, 30 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444); 1 ♀ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1600 m., 28. VIII. 1965 (loc. no. 487).

Species of Holarctic distribution, recorded from Mongolia (Bulgan) by Hoberlandt (1968 b).

***Palomena viridissima* (Poda, 1761)**

3 ♂♂ and 2 ♀♀ — N. Mongolia: Central aimak, Zuun-Chara, 1390 m., 8. VII. 1963 (loc. no. 98); 1 ♀: Central aimak, 12 km. W. of somon Lun, 1300 m., 3. VII. 1964 (loc. no. 258); 1 ♀: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 282); 3 ♂♂ and 1 ♀: Central aimak, Zuun-Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 284).

Species of Eurosiberian distribution; recorded from Tuva by Tsherepanov and Kiritshenko (1962). Not previously recorded from Mongolia.

***Brachynema germari* (Kolenati, 1846)**

2 ♂♂ and 5 ♀♀ — S. Mongolia: East Gobi aimak, Cagan Elis, 30 km. E.S.E. of Zuun-Bajan, 800 m., 20. VI. 1963 (loc. no. 21); 1 ♂: East Gobi aimak, 8 km. N.N.W. of Sainschand, 1000 m., 28. VI. 1963 (loc. no. 45); 1 ♀: East Gobi aimak, 60—70 km. N.N.W. of Sainschand, 1000 m., 29. VI. 1963 (loc. no. 52); 1 ♀: South Gobi aimak, 60 km. W. of somon Bulgan, 1120 m., 20. VI. 1964 (loc. no. 162); 4 ♂♂ and 2 ♀♀ — C. Mongolia: Bajanchongor aimak, 5 km. S. of somon Bogd, near of Tujn gol, 1200 m., 24. VI. 1964 (loc. no. 190—191); 1 ♀: Bajanchongor aimak, 8 km. S. of somon Žinst, 1400 m., 25. VI. 1964 (loc. no. 198).

Species of predominantly Mediterranean distribution, penetrating eastwards as far as Middle and Central Asia. Not previously recorded from Mongolia.

***Pentatoma rufipes* (Linnaeus, 1758)**

1 ♂ — E. Mongolia: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 1 ♂: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 18. VIII. 1965 (loc. no. 438); 1 ♂: Čojbalsan aimak, 32 km. S.E. of somon Bajan-uul, 750 m., 18. VIII. 1965 (loc. no. 439).

Species of Eurosiberian distribution. Recorded from Tuva by Tsherepanov and Kiritshenko (1962) and Mongolia (Bulgan, Bajan-Agt, Unt, Tarialan) by Hoberlandt (1968 b).

Eurydema gebleri Kolenati, 1846

21 ♂♂ and 22 ♀♀ — C. Mongolia: East Gobi aimak, 40 km. N.W. of Chara Eirag, 1150 m., 30. VI. 1963 (loc. no. 62); 18 ♂♂ and 6 ♀♀ — N. Mongolia: Central aimak, Zuun-chara, 1390 m., 8. VII. 1963 (loc. no. 98); 1 ♀: Central aimak, Ulaanbaator (Tola), 1300—1400 m., 11. VI. 1964 (loc. no. 117); 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 12. VI. 1964 (loc. no. 118); 6 ♂♂ and 3 ♀♀ — C. Mongolia: Uburchangaj aimak, Boga Bogt ul, between somon Bogt and somon Baruun Bajan-ulaan, 1900 m., 23. VI. 1964 (loc. no. 176); 3 ♂♂: Archangaj aimak, N. E. part of Lake Ogij nur, 1350 m., 2. VII. 1964 (loc. no. 250); 1 ♂ and 1 ♀: Central aimak, 12 km. W. of somon Lun, 1300 m., 3. VII. 1964 (loc. no. 258); 1 ♂: Central aimak, Zuun-Chara, Duusch ul, 1100 m., 8. VII. 1964 (loc. no. 284); 1 ♂ and 1 ♀ — C. Mongolia: Chentej aimak, 7 km. N. E. of somon Mörön, 1200 m., 28.—29. VII. 1965 (loc. no. 319); 2 ♂♂ and 1 ♀ — E. Mongolia: Suchebaator aimak, 44 km. S. S. W. of Baruun urt, 1050 m., 2.—3. VIII. 1965 (loc. no. 349); 5 ♂♂ and 1 ♀ — S. Mongolia: Suchebaator aimak, river Bajan gol, 85 km. N. E. of somon Dariganga, 1100 m., 8. VIII. 1965 (loc. no. 377); 2 ♀♀ — E. Mongolia: Čojbalsan aimak, 160 km. W. of Lake Bujr nur, Menengijn tal, 600 m., 15. VIII. 1965 (loc. no. 416); 2 ♂♂ and 2 ♀♀: Čojbalsan aimak, 90 km. S. E. of Čojbalsan, Menengijn tal, 700 m., 16. VIII. 1965 (loc. no. 421); 2 ♂♂ and 3 ♀♀: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 1 ♀ — N. Mongolia: Chentej aimak, 20 km. S. W. of somon Norovlin, 900 m., 19. VIII. 1965 (loc. no. 449); 1 ♂ — E. Mongolia: Čojbalsan aimak, 44 km. S. W. of Čojbalsan, 750 m., 17. VIII. 1965 (loc. no. 425); 2 ♂♂ and 3 ♀♀: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 2 ♀♀ — N. Mongolia: Chentej aimak, 10 km. W. of somon Delgerchaan, 1250 m., 24. VIII. 1965 (loc. no. 476); 1 ♂ and 1 ♀: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1600 m., 27. VIII. 1965 (loc. no. 486); 1 ♂: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 29. VIII. 1965 (loc. no. 489).

Species of Siberian distribution, penetrating to S.W. as far as Kazan and estwards to China. Recorded from Tuva by Tsherepanov and Kiritshenko (1962) and from Mongolia (Charchorin, Ulaanbaator, Bulgan, Bajan-Agt, Unt, Tarialan) by Hoberlandt (1968 a, b).

Jalla subcalcarata Jakovlev, 1884

1 ♂ and 1 nymph — N. Mongolia: Central aimak, 16 km. S. E. of somon Bajanzogt, 4. VII. 1964 (loc. no. 263).

Species distributed in Kirghizia, Kazakhstan, Siberia, China, Tibet and Mongolia (Reuter 1881, Oshanin 1906, 1912 and Hoberlandt 1968 a, b).

Scutelleridae

Odontoscelis fuliginosa (Linnaeus, 1761)

1 ♂ — N. Mongolia: Central aimak, Ulaanbaator, Nucht in Bogdo-ul mountains, 1500 m., 16. VI. 1963 (loc. no. 4).

Species of Palaearctic distribution. Not previously recorded from Mongolia; recorded from Dzungaria by Oshanin (1912).

Irochrotus caspius Jakovlev, 1875

1 ♂ — N. Mongolia: Central aimak, 9 km. N. W. of Bajan Djargalant, 1350 m., 4. VII. 1963 (loc. no. 82); 8 ♂♂ and 4 ♀♀: Central aimak, Borulcin tala, 100 km. S. E. of Ulaanbaator, 1400 m., 5. VII. 1965 (loc. no. 88); 1 ♀: Central aimak, Zuun-Chara, 850 m., 8. VII. 1964 (loc. no. 281); 1 ♂ and 2 ♀♀: Chentej aimak, Čandagan tal,

40 km. E. of Žargaltchaan, 1300 m., 28. VII. 1965 (loc. no. 316); 2 ♂♂ — C. Mongolia: Chentej aimak, 7 km. N. E. of somon Mörön, 1200 m., 28.—29. VII. 1965 (loc. no. 319).

Species recorded from the steppe region of Volga and from West Kazakhstan. In Siberia recorded from Minusinsk and from N. Mongolia (Unt, Tarialan and Lake Chubsugul; Hoberlandt 1968 b).

Phimodera carinata Reuter, 1879

1 ♂ — S. E. Mongolia: Suchebaator aimak, somon Dariganga, 1270—1300 m., 7. VIII. 1965 (loc. no. 371).

Species recorded from Siberia, from region of Nerchinskiy (Dauriya) and N. Mongolia (Reuter 1879, Oshanin 1912).

Phimodera laevilinea Stål, 1873

1 ♀ — N. Mongolia: Central aimak, Ulaanbaator (Tola), 1300—1400 m., 11. VI. 1964 (loc. no. 117); 1 ♂ — C. Mongolia: Uburchangaj aimak, Changaj mountains, 5 km. N. E. of somon Chuširt, 1730 m., 30. VI. 1964 (loc. no. 227).

Species of Siberian distribution, recorded from N.W. and S. Siberia, Transbaicalia, from region of Narchinskiy (Dauriya), Tuva and Turcomania. In Mongolia recorded from Unt and Lake Chubsugul by Hoberlandt (1968 b).

Phimodera mongolica Reuter, 1891

1 ♂ and 2 nymphs — C. Mongolia: Uburchangaj aimak, Boga Bogt ul, between somon Bogt and somon Baruun Bajan-ulaan, 1900 m., 23. VI. 1964 (loc. no. 175 and 176).

Species recorded from Mongolia (Kemtshik, type locality) by Reuter (1891, 1896) and Oshanin (1906, 1912).

Phimodera reuteri Kiritshenko, 1910

1 ♀ — S. Mongolia: East Gobi aimak, 19 km. S. of Sainschand, 1000 m., 27. VI. 1963 (loc. no. 43).

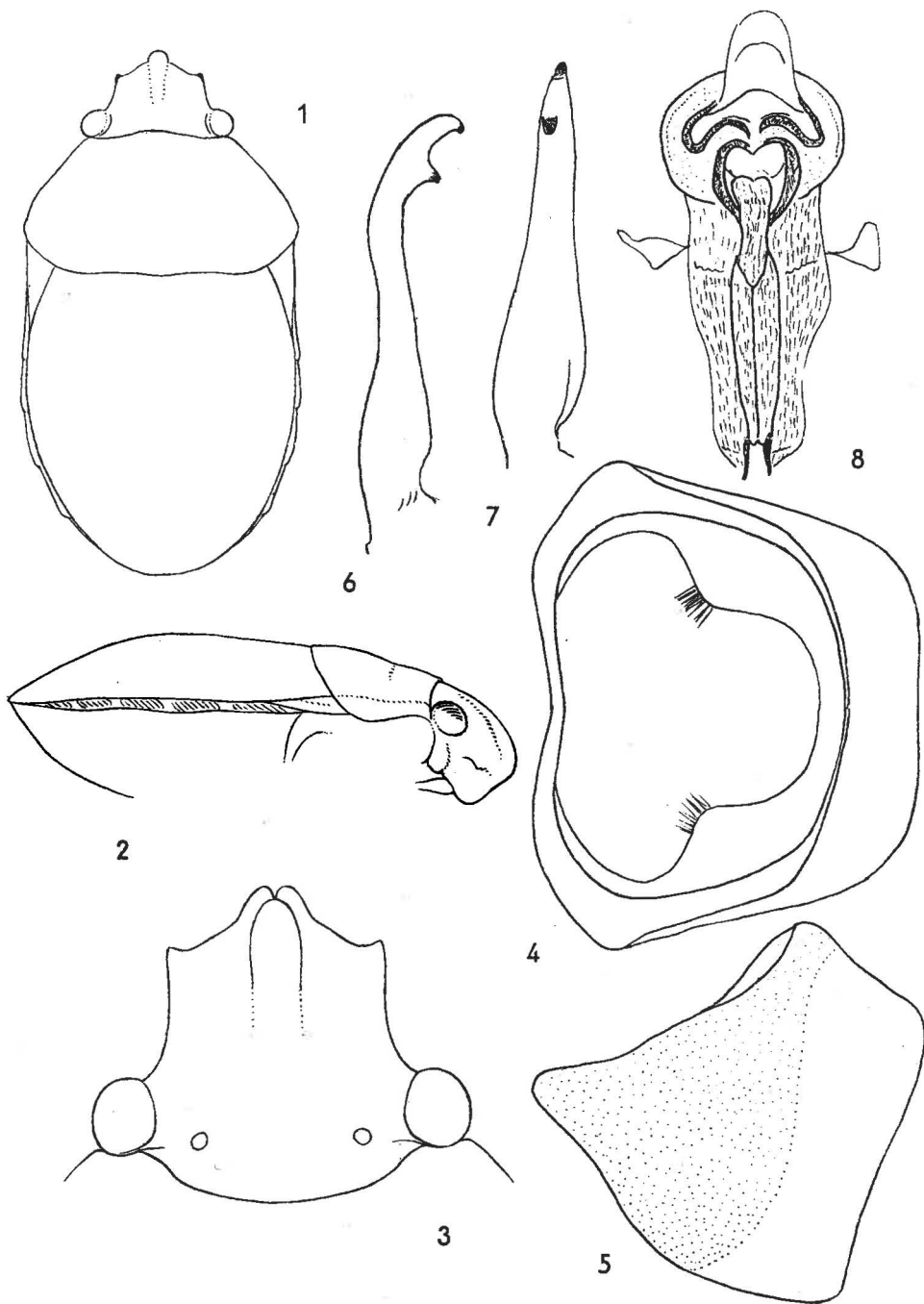
Species recorded from Altai (type locality). Not previously recorded from Mongolia.

Phimodera kaszabi sp. n.

(Figs 1—8)

Male. Length 6.27 mm, width 3.3 mm. Head: length 0.95 mm, width 1.78 mm, synthlipsis 1.14 mm. Antennae: length of segment I, 0.38 mm; II, 0.34 mm; III, 0.26 mm; IV, 0.41 mm; V, 0.72 mm. Pronotum: length 1.63 mm, width 3.15 mm. Scutellum: length 3.68 mm, width 3.31 mm.

Body 1.9 times as long as broad, posteriorly slightly widened, broadest across the fourth abdominal segment. Head with margins distinctly concave, anteriorly protruding into subacute anteriorly directed angles, clypeus robust, elevated anteriorly, broadly rounded and closed by small apically roundish jugae. Eyes globular, substylate, touching the anterior



Phimodera kaszabi sp. n., male — 1: outline of the body seen from above. 2: outline of the body seen from side. 3: head. 4: 9th abdominal segment seen from above. 5: 9th abdominal segment seen from side. 6 and 7: parameres. 8: penis.

margin of pronotum. Ocelli small, far remote from eyes. Antennae in general slender, third antennal segment apically widened, fourth and fifth segments of equal width, spindle like. Bucculae anteriorly moderately expanded, seen from below strongly diverging in posterior direction, anteriorly covering the base of rostrum. Rostrum reaching to the posterior coxae. Relative lengths of antennal segments 10 : 9 : 7 : 11 : 19.

Pronotum 1.8 times as broad as long, slightly elevated, disc only slightly declivous anteriorly and with moderate transverse depression, lateral margins slightly sinuate, posterior pronotal angles simple, broadly rounded, posterior pronotal margin in the middle nearly straight, anterior pronotal margin straight, anterior angles blunt. Pronotum and head with dense large plain blackish puncturation which, on the pronotal cicatrices, is more sparse and on anterior pronotal angles is nearly lacking. Otherwise the puncturation is more or less regular. Pronotum and head with rather dense short twisted pale hairs which are, on sides more dense and erect.

Sternum with dense punctures and short twisted pale hairs, anterior prosternal lobes broadly and sinuately expanded. Trochantera simple, without any processus. Legs stout, femora with tubercles, tibiae slightly sinuate; legs with long erect hairs. Third tarsal segment of posterior legs as long as first and third segment together.

Scutellum 1.1 times as long as broad, lateral margins regularly rounded, subapically slightly straightened and the apex broadly rounded. Disc of scutellum moderately but regularly arched. Sculpture of the scutellum the same as that of pronotum. Connexivum narrow deflexed, lateral margins of connexival plates straight, posterior angles of respective plates only very slightly marked. Surface of connexivum punctured, posterior parts of respective connexival plates rather sparse. Lower surface of venter strongly convex. Posterior margin of 7th ventral segment deeply emarginate. Venter below shining with shallow sparse puncturation and pale twisted subadpressed hairs.

9th male abdominal segment seen from above 1.4 times as broad as long, posterior margin sinuate, sides posteriorly angulately projecting. Terminal side of the segment in the middle slightly depressed and the depression extending into the upper margin of the segment. Parameres very fine, slenderly and irregularly sinuate, with two black small bent teeth, one apical and the second subapical. Penis figured in figure 8.

Colour of the body above dull brownish with piceous punctures. Antennae black, extreme bases and apices of first to third antennal segments brownish. Body below piceous, acetabula brownish with dense puncturation, disc of 8th ventral segment brownish with dark puncturation. Genital segment piceous. Legs piceous, apex of tibiae and tarsi dark brown. Hairs whitish.

Holotype — male: S. Mongolia: East Gobi aimak, 19 km. S. of Sainshand, 1000 m., 27. VI. 1963 (loc. no. 43). Hungarian Nat. Hist. Museum, Zoological Department, Budapest.

According to kind communication of Dr. I. M. Kerzhner there are a further four specimens (♂♂ and ♀♀) of this species from Iche-bogdo

mountains (N. Mongolia) in the collections of the Zoological institute of Academy of Sciences in Leningrad.

Phimodera kaszabi sp. n. is very close to *Phimodera bergi* Jakovlev, 1905, however it differs in some characters, antennae of the new species have the fourth antennal segment longest, pronotum in the new species being more flattened and the anterior margin being as broad as the width of head across eyes. *Phimodera bergi* Jakovlev is described from one female (holotype) from Balkhash Lake in Kazakhstan.

Eurygaster maurus Linnaeus, 1758

1 ♂ — E. Mongolia: Čojbalsan aimak, 15 km. E. of somon Galuut, 850 m., 17. VIII. 1965 (loc. no. 433); 3 ♂♂ and 2 ♀♀: Čojbalsan aimak, 20 km. S.W. of somon Bajan-uul, 820 m., 18. VIII. 1965 (loc. no. 444).

Species of Palaearctic distribution, recorded from Mongolia (Tarialan) by Hoberlandt (1968 b).

C y d n i d a e

Byrsinus minor Wagner, 1964

1 ♀ — S. Mongolia: East Gobi aimak, Cagan Elis, 30 km. E. S. E. of Zuun Bajan, 800 m., 22. VI. 1963 (loc. no. 20); 3 ♀♀: East Gobi aimak, Cagan Elis, 30 km. S. E. of Zuun Bajan, 23. VI. 1963 (loc. no. 23); 1 ♂ and 2 ♀♀ — E. Mongolia: East Gobi aimak, Argalant ulan shire, 65 km. S. E. of Zuun Bajan, 800 m., 25. VI. 1963 (loc. no. 30); 2 ♂♂ and 8 ♀♀ — S. Mongolia: East Gobi aimak, 10 km. of Zuun Bajan, 780 m., 26. VI. 1963 (loc. no. 33); 1 ♂: East Gobi aimak, 8 km. N. N. W. of Sainschand, 1000 m., 28. VI. 1963 (loc. no. 45); 1 ♂ — C. Mongolia: Bajanchongor aimak, S. E. region of Lake Orog nur, 1200 m., 24. VI. 1964 (loc. no. 184).

Species described from Mongolia (N. Mongolia, type locality) by Wagner (1964).

Legnotus picipes (Fallen, 1807)

2 ♂♂ and 1 ♀ — N. Mongolia: Chantej aimak, 150 km. E. N. E. of Öndörchaan, 10 km. S. of the river Kerulen and 10 km. N. of somon Tumunzogt, 1000 m., 30. VII. 1965 (loc. no. 331); 36 ♂♂ and 47 ♀♀ — E. Mongolia: Suchebaator aimak, 44 km. S. S. W. of Buruun urt, 1050 m., 2.—3. VIII. 1965 (loc. no. 349).

Species distributed through Europe, North Africa, S.W. Asia and Soviet Middle Asia, Siberia and penetrating eastwards as far as Tuva. From Mongolia recorded from Songino near Ulaanbaator and Unt (Hoberlandt 1968 b).

Canthophorus niveimarginatus Scott, 1874

1 ♂ and 1 ♀ — N. Mongolia: Central aimak, Zuun Moto gol, 60 km. E. of Ulaanbaator, 1300 m., 20. VI. 1963 (loc. no. 11); 1 ♀ — C. Mongolia: Uburchangaj aimak, Changaj mountains, 5 km. N. E. of somon Chuzhirt, 1730 m., 30. VI. 1964 (loc. no. 227).

Species recorded from Finland, Siberia, China, Japan and N. Mongolia (Lake Chubsugul and Bajan-Agt; Hoberlandt 1968 b).

Adomerus biguttatus [Linnaeus, 1758]

1 ♀ — N. Mongolia: Central aimak, Zuun-Chara, 1390 m., 8. VII. 1963 (loc. no. 98).

Species of wide European distribution, not previously recorded from Mongolia.

Ochetostethus nanus [Herrich-Schaeffer, 1834]

1 ♀ — C. Mongolia: Arc Bogd ul, vicinity of somon Chovd, 1600 m., 21. VI. 1964 (loc. no. 167).

Species occurring in Europe, in Mediterranean and eastwards as far as Soviet Middle Asia. Not previously recorded from Mongolia.

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