

Results of 1st and 2nd Mongolian-Czechoslovak entomological and botanical expedition to Mongolia

No. 25 : Heteroptera (2) : Veliidae, Gerridae and Saldidae

LUDVÍK HOBERLANDT

Department of Entomology, National Museum (Nat. Hist.), Praha

This is the second part of the publications on Heteroptera dealing with the families Veliidae, Gerridae and Saldidae and consists of the material collected in the years 1965 and 1966. There are recorded 15 species of which 6 have not previously been recorded from Mongolia.

Veliidae

Microvelia (Microvelia) umbricola Wróblewski, 1938

36 ♂♂, 59 ♀♀ and 7 nymphs — N. Mongolia, Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17.)

Species distributed through most parts of Europe (type-locality: Poland) and ranging as far as Siberia and region of Amur. In Mongolia recorded from the river Tuin-gol (Kerzhner 1962).

Gerridae

Gerris (Gerris) sahlbergi Distant, 1879

3 ♂♂ — N. Mongolia, Ulaanbaator, 21. VII. 1965 (loc. no. 1); 1 ♂ and 2 ♀♀ — Ulaanbaator — Baga-Tenger, 26. VII. 1965 (loc. no. 6); 2 ♂♂ and ♀♀ — Songino, 28.—29. VII. 1965 (loc. no. 8—9); 1 ♀ — Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17).

Species distributed through north west mountains areas of India and Pakistan (type-locality: Kashmir). From Mongolia recorded by Lundblad (1934) and Hoberlandt (1968).

Gerris (Gerris) odontogaster brevispinis Lundblad, 1934

1 ♂ and 2 ♀♀ — N. Mongolia, Ulanbaator — Baga-Tenger, 26. VII. 1965 (loc. no. 6);
4 ♂♂ and 2 ♀♀ — Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17). Macropterous and
micropterous specimens.

Species of wide European distribution, subspecies *brevispinis* recorded only from Mongolia: S. W. Mongolia (Lundblad 1934) and Ulaanbaator (Lansbury 1966).

S a l d i d a e

Salda (Salda) littoralis (Linnaeus, 1758)

1 ♀ — N. Mongolia, Ulaanbaator — Baga — Tenger, 26. VII. 1965 (loc. no. 6).

Species of Holarctic distribution, in Mongolia recorded from Ulaanbaator (Josifov and Kerzhner 1967). E. Wagner (1967) records from Mongolia (Char-us-nur, Atshit-nur, Telmen-nur and Zavchan) *Salda littoralis piechockii* Wagner, previously known only from Mongolia. From Tuva region recorded *Salda littoralis* (Lin.) by Tsherepanov and Kiritshenko (1962).

Salda (Salda) morio (Zetterstedt, 1839)

1 ♂ and 1 ♀ — N. Mongolia, Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17).

Species of Eurosiberian distribution. In Mongolia recorded from Darhan by Josifov and Kerzhner (1967).

Salda (Teloleuca) pellucens (Fabricius, 1779)

1 ♂ — N. Mongolia, Zaisan near Ulaabaator, Bogdo-ul Mountains, 30.—31. VII. 1965 (loc. no. 10—11).

Species of Holarctic distribution. Previously not recorded from Mongolia.

Salda (Teloleuca) bifastiata (Thomson, 1871)

1 ♂ and 1 ♀ — N. Mongolia, Zaisan near Ulaabaator, Bogdo-ul Mountains, 30.—31. VII. 1965 (loc. no. 10—11).

Species of Holarctic distribution. From Tuva recorded by Tsherepanov and Kiritshenko (1962). Previously not recorded from Mongolia.

Halosalda lateralis (Fallen, 1807)

1 ♂ — N. Mongolia, Central aimak, Dzun-Mod (S. of the town), 1400—1500 m., 30. VIII. 1966 (loc. no. 55).

Species of Erosiberian distribution. In Mongolia recorded from Ačit-nur by E. Wagner (1967).

Saldula (Macrosaldula) oblonga (Stål, 1858)

2 ♂♂ and 2 ♀♀ — N. Mongolia, Ulaanbaator, 21. VII. 1965 (loc. no. 1); 2 ♂♂ and 1 ♀ — Central aimak, Dzun-Mod (S. of the town), 1400—1500 m., 30. VIII. 1966 (loc. no. 55); 1 ♂ and 3 ♀♀ — Central aimak, Songino, 1300 m., 3. IX, 1966 (loc. no. 58),

Species of Siberian distribution (type-locality: Irkutsk). Previously not recorded from Mongolia.

Saldula (Saldula) nobilis (Horváth, 1888)

1 ♀ — N. Mongolia, between Baga-Tenger and Zaisan, North Bogdo-ul Mountains, 22. VII. 1965 (loc. no. 2); 1 ♀ — Zaisan near Ulaanbaator, Bagdo-ul Mountains, 30.—31. VII. 1965 (loc. no. 10—11).

Species recorded from Czechoslovakia (type-locality: Carpathian Mountains), S. Germany, Austria, W. Siberia and Tibet. Previously not recorded from Mongolia.

Saldula (Saldula) opacula (Zetterstedt, 1839)

1 ♂ — N. Mongolia: Ulaanbaator — Baga — Tenger, 26. VII. 1965 (loc. no. 6); 2 ♂♂ and 2 ♀♀ — Bulgan, 1200—1600 m., 5. VIII. 1965 (loc. no. 15—16); 2 ♂♂ and 8 ♀♀ — Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17).

Species of Holarctic distribution. In Mongolia recorded from Gorchii and Ulaanbaator by Josifov and Kerzhner (1967) and from Ulaanbaator and Tugryg-gol by Wagner (1967).

Saldula (Saldula) saltatoria (Linnaeus, 1758)

1 ♂ and 1 ♀ — N. Mongolia, between Baga-Tenger and Zaisan, North Bogdo-ul Mountains, 22. VII. 1965 (loc. no. 2); 5 ♂♂ and 3 ♀♀ — Bulgan, 1200—1600 m., 5. VIII. 1965 (loc. no. 15—16); 1 ♂ — Bulgan, 1200—1600 m., 6. VIII. 1965 (loc. no. 17); 1 ♂ — Uñt, 11. VIII. 1965 (loc. no. 22); 1 ♂ — Central aimak, Dzun-Mod, 1400—1500 m., 30. VIII. 1966 (loc. no. 55).

A wide spread species of Holarctic distribution. In Mongolia recorded from Gorchii, Cherulen-Bundal and Erdene by Josifov and Kerzhner (1967).

Saldula (Saldula) c-album (Fieber, 1859)

1 ♀ — N. Mongolia, between Baga-Tenger and Zaisan, North Bogdo-ul Mountains, 22. VII. 1965 (loc. no. 2); 1 ♂ — Songino, 28.—29. VII. 1965 (loc. no. 8—9); 1 ♀ — Zaisan near Ulaanbaator, Bogdo-ul Mountains, 30.—31. VII. 1965 (loc. no. 10—11); 1 ♀ — Ulaanbaator — Bulgan, 31. VII. 1965 (loc. no. 12); 1 ♀ — Bulgan, 1200—1600 m., 5. VIII. 1965 (loc. no. 15—16).

Species of Holarctic distribution. Previously not recorded from Mongolia.

Saldula (Saldula) pallipes (Fabricius, 1794)

2 ♂♂ — N. Mongolia, Ulaanbaator, 21. VII. 1965 (loc. no. 1); 5 ♂♂ and 6 ♀♀ — Songino, 28.—29. VII. 1965 (loc. no. 8—9); 1 ♂ and 3 ♀♀ — Tarialan (Tarjalan) somon between Bulgan and Muren, 13. VIII. 1965 (loc. no. 24); 4 ♂♂ and 1 ♀ — C. Mongolia, Uburchangaj aimak, vicinity of Arbaj-Chere, on the river Ongin-gol, 14. VIII. 1966 (loc. no. 41); 1 ♀ — Uburchangaj aimak, Baga-Bogdo Mountains, Bogd somon, 1600 m., 22. VIII. 1966 (loc. no. 47); 11 ♂♂ and 8 ♀♀ — N. Mongolia, Central aimak, Dzun-Mod, 1400—1500 m., 30. VIII. 1966 (loc. no. 55); 28 ♂♂, 29 ♀♀ and 16 nymphs — Central aimak, Ulaanbaator, 2. IX. 1966 (loc. no. 57); 42 ♂♂ and 37 ♀♀ — Central aimak, Songino, 1300 m., on the river Tola, 3. IX. 1966 (loc. no. 58).

Species distributed through the Palaearctic, Nearctic and Neotropical regions. In Mongolia recorded from numerous localities by Wagner (1967).

Saldula (Saldula) xanthochila (Fieber, 1859)

2 ♂♂, 2 ♀♀ and 2 nymphs — N. Mongolia, Uburchangaj aimak, vicinity of Arbij-Che-re, 30—40 km. South of the town, near to Tacyn-Cagan-nur, 1800—2100 m., 15—16. VIII. 1966 (loc. no. 42).

Species with the pattern of Holarctic distribution, in the Palaearctic ranging rather southwards. Previously not recorded from Mongolia and Siberia.

L i t e r a t u r e

- Hoberlandt, L., 1968: On some Heteroptera collected in Mongolia. *Acta faun. ent. Mus. Nat. Pragae*, 13: 45—50.
- Dlabola, J., 1967: Ergebnisse der 2. mongolisch-tschechoslowakischen entomologisch-botanischen Expedition in der Mongolei. Nr. 12: Reisebericht, Lokalitätenübersicht und Bearbeitung der gesammelten Zikaden (Homopt. Auchenorrh.). *Acta faun. ent. Mus. Nat. Pragae*, 12: 207—230, 1 card, figs 1—52.
- Josifov, M. and Kerzhner, I. M., 1967: Heteroptera von der Mongolischen Volksrepublik. *Fragmenta Faunistica*, Warszawa, 14: No. 1: 1—15.
- Kerzhner, I. M., 1962: Notes on some Heteroptera of the Leningrad Region. *Trudy zool. inst.*, 31: 46—48.
- Lansbury, I., 1966: The aquatic and semi-aquatic Hemiptera-Heteroptera of the Mongolian-German biological expedition, 1964. Results of the Mongolian-German Biological Expeditions since 1962, No. 18. *Mitt. zool. Mus. Berlin*, 42: 211—218, figs 1—26.
- Lundblad, O., 1934: Schwedisch-chinesische wissenschaftliche Expedition nach den nordwestlichen Provinzen Chinas. *Ark. Zool.* 27 A, 14: 1—31, figs 1—11, Taf. I—II.
- Wagner, E., 1967: Die Heteropteren-Ausbeute der mongolisch-deutschen biologischen Expedition 1962 und 1964. Ergebnisse der Mongolisch-Deutschen Biologischen Expedition seit 1962, Nr. 22. *Mitt. zool. Mus. Berlin*, 43: 53—76, Abb. 1—5.

Acta faunistica entomologica Musei Nationalis Pragae, 14, No. 164

Redaktor RNDr. Jiří Dlabola, CSc. — Vydává Národní muzeum, Praha. Vyšlo 20. XII. 1971.
Náklad 1100. — Vytiskly Středočeské tiskárny n. p., prov. 04, Praha 1, Nové Město,
Myslíkova 15.