

**RESULTS OF THE CZECHOSLOVAK-IRANIAN
ENTOMOLOGICAL EXPEDITION TO IRAN 1970****(Together with results of collections made in Anatolia)****No. 8: Dermaptera**

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We have been able to examine a small collection of 90 specimens of Dermaptera collected in Iran and Anatolia. This material consists of four species only, one of which, i. e. *Anechura bipunctata* (Fabr.), is a new record for the Iranian fauna.

Although the Dermapteran fauna of Iran is not thought to be rich, it is very probable that more species exist in the country than those which are now known. Previously there was known in Iran only 6 species of Dermaptera.

A detailed description of the localities was published by L. Hoberlandt (1974).

LABIDURIDAE

Labidura Leach, 1815**L. riparia** (Pallas, 1773)

Material examined: N. Iran, C. Elburz, Gazanak (Ask), Haraz Chay, 1400 m, 20.–21. VII. 1970, 3 ♂♂, 3 ♀♀ (Loc. No. 63); N. Iran, Bandare Shah, 1. VIII. 1970, 3 ♂♂, 3 ♀♀ (Loc. No. 79); N. Iran, Minudasht, 27. VII. 1970, 1 ♀ (Loc. No. 76); N. Iran, C. Elburz, Kandavan, Val. 2545 m, 10.–11. VIII. 1970, 1 ♀ (Loc. No. 86); N. Iran, Karadj, 3 km N. of the dam, 1650 m, 10. VIII. 1970, 4 nymphs (Loc. No. 85); N. W. Iran, Sufian, 30 km W. of Tabriz, 20.–21. VI. 1970, 1 ♀ (Loc. No. 27); N. W. Iran, Ghushchi, Lake Rezaiyeh (N. W.), 1400 m, 19. VIII. 1970, 2 ♀♀ (Loc. No. 99); S. Iran, Estahbanat, 8.–9. VII. 1970, 1 ♂ (Loc. No. 49); S. Iran, 5 km N. of Djahrom, Rudkhanehe Shur, 9.–10. VII. 1970, 1 ♂ (Loc. No. 52); W. Iran, Zayandeh-Rud, 2200 m., 50 km. N. of Kuhrang, 1. VII. 1970, 1 ♀ (Loc. No. 38); SW. Iran, Daryache-ye Bakhtegan, 30 km E. of Sahlabad, 7. VII. 1970, 1 ♂ (Loc. No. 47).

Turkey: S. Anatolia. Erdemli, 24.–26. VIII. 1970, 2 ♂♂, 1 ♀ (Loc. No. 109).

Literature references: Burr (1912:80); Buxton (1921:963–964).

Geographical distribution: Cosmopolitan (Sakai, 1970a:7–20).

LABIIDAE

Labia Leach, 1813**L. minor** (Linnaeus, 1758)

Material examined: Turkey, S. Anatolia, Erdemli, 24.-26. VIII. 1970, 1 ♂, 1 ♀ (Loc. No. 109).

Literature references: Distribution in Turkey is recorded by J. Mařan (1974).

Geographical distribution: Cosmopolitan (Sakai, 1970b:113-122).

FORFICULIDAE

Forficula Linnaeus, 1758

F. auricularia Linnaeus, 1758

Material examined: N. W. Iran, Sufian, 30 km W. of Tabriz, 20.-21. VI. 1970, 1 ♂, 1 ♀ (Loc. No. 27); N. Iran, C. Elburz, Gazanak (Ask), Haraz Chay, 1400 m, 20.-21. VII. 1970, 2 ♀♀ (Loc. No. 63); N. Iran, C. Elburz, Val. Darband Sar, 2000-3000 m, 15.-16. VII. 1970, 1 ♂, 1 ♀ (Loc. No. 57-58).

Turkey: E. Anatolia, Karasu, W. of Kargin, 18. VI. 1970, 2 ♂♂, 2 ♀♀ (Loc. No. 18); E. Anatolia, Kandilli, 1720 m, 18. VI. 1970, 1 ♀ (Loc. No. 19).

Literature references: Buxton (1921:963); Bey-Bienko (1936:154).

Distribution in Turkey is recorded by J. Mařan (1974).

Geographical distribution: Nearly cosmopolitan; it is widely distributed in the Palaearctic region.

Anechura Scudder, 1876

A. (in sp.) bipunctata (Fabricius, 1781)

Material examined: N. Iran, C. Elburz, Kandavan, Val. 2545 m, 10.-11. VIII. 1970, 6 ♂♂, 1 ♀ (Loc. No. 86); N. Iran, C. Elzurz, Damavand, Lajran (Ab-Garm), 2400 m, 21. VII. 1970, 16 ♂♂, 11 ♀♀ (Loc. No. 64); N. Iran, E. Elburz, Gardanehe Gaduk (pasa), 2200 m, 2. VIII. 1970, 7 ♂♂, 10 ♀♀ (Loc. No. 32); N. Iran, C. Elburz, Gazanak, Haraz Chay, 1400 m, 20.-21. VII. 1970, 2 ♀♀ (Loc. No. 63).

New species for the fauna of Iran.

Geographical distribution: This species is widely distributed in the Palaearctic region; it occurs from the Pyrenees to Mongolia. However, its distribution is not continuous.

The Iranian fauna of Dermaptera is still insufficiently known and the total number of all recorded species at present is 7. They are as follows:

LABIDURIDAE

Labidura riparia (Pallas, 1773)

(Burr, 1912:80; Buxton, 1921:963-964)

FORFICULIDAE

Forficula auricularia (Linnaeus, 1758)

(Buxton, 1921:963; Bey-Bienko, 1936:154)

Forficula lucasi Dohrn, 1865

(Bey-Bienko, 1936:136)

Forficula decipiens Gén , 1832

(Burr, 1912:101)

- Forficula lurida* Fischer, 1853
(Bey-Bienko, 1936:149)
Anechura asiatica Semenov, 1903
(Burr, 1912:95; Bey-Bienko, 1936:177)
Anechura bipunctata (Fabricius, 1781)
(New species for Iranian fauna)

It should be noted that from neighbouring Afghanistan there are known 16 species and subspecies of Dermaptera (Brindle, 1968:293 and Bey-Bienko, 1970:1814), however some of them have been presumed to occur in Eastern parts of Iran.

LITERATURE

- Bey-Bienko, G. J., 1936: Faune de l'URSS, Dermaptera. Moscou-Leningrad.
Bey-Bienko, G. J., 1970: New or interesting earwigs (Dermaptera) from tropical and subtropical Asia. *Zool. žurn.*, 49:1810—1820.
Brindle, A., 1968: Beiträge zur Kenntnis der Fauna Afghanistans. Dermaptera (Additional Records). *Acta Mus. Moraviae*, 53:291—296.
Burr, M., 1912: Die Dermapteren des K. K. Naturhistorischen Hofmuseum in Wien. *Ann. Hofmus. Wien*, 26:63—108.
Buxton, P. A., 1921: Earwigs from Mesopotamia and N. W. Persia. *J. Bomb. Nat. Hist. Soc.*, 27:963—964.
Hoberlandt, L., 1974: Results of the Czechoslovak-Iranian entomological Expedition to Iran 1970, No. 1: Introduction, *Acta. ent. Mus. Nat. Pragae*, Supp. 6:9—20, figs. 1—22.
Mařan, J., 1974: Wissenschaftliche Ergebnisse der Zoologischen Wissenschaftlichen Expedition des National Museums nach der Türkei. No. 32: Dermaptera. *Acta ent. Mus. Nat. Pragae*. 39.
Sakai, S., 1970a: Dermapterorum Catalogus Praeliminaris. I: A Basic Survey for Numerical Taxonomy of the Labiduridae and Carcinophoridae, the Dermaptera of the World. Publ. by Daito Bunka University, Tokyo.
Sakai, S., 1970b: Dermapterorum Catalogus Praeliminaris. II: A Basic Survey for Numerical Taxonomy of Labiidae, the Dermaptera of the World. Publ. by Daito Bunka University, Tokyo.