

**RESULTS OF THE CZECHOSLOVAK-IRANIAN ENTOMOLOGICAL
EXPEDITIONS TO IRAN 1970, 1973 AND 1977**

Together with results of collections made in Anatolia

Orthoptera s. str., Tetrigoidea, Tetrigidae

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This paper deals with the Tetrigoidea and is based on small collections of nearly 450 specimens collected in 1970, 1973 and 1977 in different parts of Iran and Anatolia. This material is composed of seven species belonging to four genera. At present there are listed from Iran 10 species, occurrence of two species, i. e. *Tetrix nutans* Hag. (Mirzayans 1951 : 33 — *Acridium tenuicorne* Sahlb.) and *T. subulata* L. (Alexandrov 1947 : 15) should be verified (Shumakov 1963 : 165) additionally.

Information on the localities mentioned in this communication will be found in L. Hoberlandt (1974, 1981 and 1983).

All examined material is deposited in the collections of the Department of Entomology, National Museum (Nat. Hist.) in Praha.

TETRIGIDAE — TETRIGINAE

Hedotettix alienus Uvarov, 1936

Hedotettix alienus Uvarov, 1936, Linn. Soc. J., Zool. 39 : 553, fig. 5

Material examined: S. Iran, Issin, 11.—15. V. 1973, 4♂♂, 2♀♀ (Loc. No. 198); S. Iran, Minab, 19.—20. V. 1973, 21♂♂, 29♀♀ (Loc. No. 203); S. Iran, Bishapur, val. Tange Chogan, 10.—11. VI. 1973, 1♂ (Loc. No. 232); S. Iran, Bishapur, Tange Chogan, 1050—1200 m, 10.—11. VI. 1973, 1♀ (Loc. No. 234); E. Iran, Dowlatabat, 8.—9. V. 1973, 1♂ (Loc. No. 192); E. Iran, Kuh-e Khvajeh, 3.—5. VI. 1977, 1♂ (Loc. No. 357).

Species widely distributed in southern parts of Iran (Bey-Bienko 1951 : 93, Mirzayans 1959 : 10, Bey-Bienko and Richter 1960 : 2, Shumakov 1963 : 165, Hashemi 1976 : 120).

Geographical distribution: Saudi Arabia, Iraq, Iran, N. and E. Afghanistan.

Tetrix (s. str.) bolivari (Saulcy, 1901)

Acrydium bolivari Saulcy, 1901, in Azam, Misc. Ent. 9 : 77

Material examined: N. Iran, Shahi, 24. VII. 1970, 1♂, 2♀♀ (Loc. No. 71); NW. Iran, Maku, 19.—20. VI. 1970, 1♂ (Loc. No. 25); E. Iran, 83 km

W. Sabzvaran, 1100 m, 6.—7. V. 1973, 1♂ (Loc. No. 189); S. Iran, 7 km NW. Kuhenjan, 5. VI. 1973, 1♀ (Loc. No. 226); S. Iran, 10 km W. Shiraz, 8. VI. 1973, 1♂, 1♀ (Loc. No. 228).

Mediterranean species; by Bey-Bienko (1951 : 95), Mirzayans (1959 : 10), Bey-Bienko and Richter (1960 : 2) and Shumakov (1963 : 165) recorded only from North Iran.

Geographical distribution: N., N. W., E. and S. Iran, N. Afghanistan, USSR (Moldavian SSR, Crimea, Caucasus, Central Asia), Turkey, Israel, South Europe and southern parts of Central Europe.

***Tetrix* (s. str.) *depressa* Brisout, 1848**

Tetrix depressa Brisout, 1848, Ann. Soc. ent. Fr. [2] 6 : 424

Material examined: W. Iran, Zayandeh-Rud, 2200 m, 50 km W. Kuhrang, 1. VII. 1970, 1♀ (Loc. No. 38); N. Iran, Shahi, 24. VII. 1970, 1♀ (Loc. No. 71); N. Iran, Behshahr, 25. VII. 1970, 1♀ (Loc. No. 72); N. Iran, C. Elburz, Haraz Chay, S. Amol, 400 m, 23.—24. VII. 1970, 1♂ (f. *acuminata* Bris.) (Loc. No. 69); NW. Iran, 30 km NW. Mianeh, 5. VII. 1973, 1♀ (f. *acuminata* Bris), 1 nymph (Loc. No. 265); S. Iran, Zagros, Yasuj, 16. VI. 1973, 2♀♀ (f. *acuminata* Bris.) (Loc. No. 243); Turkey: C. Anatolia, Gülsehir, 15. VI. 1970, 2♂♂, 2♀♀ (Loc. No. 5).

Mediterranean species; by Bey-Bienko (1951 : 100), Mirzayans (1959 : 10), Bey-Bienko and Richter (1960 : 2) and Shumakov (1963 : 165) recorded from North, North-west and Central Iran. In Fars Province recorded by Hashemi (1976 : 120).

Geographical distribution: Afghanistan, Iran, USSR (Turkmenistan, Caucasus, Crimea), Asia Minor, Southern Europe, East Africa.

***Paratettix histricus* (Stal, 1860)**

Tettix histricus Stal, 1860, Kongl. Freg. Eugenias Resa, Zool., V. Orth.: 347

Material examined: N. Iran, Ali-abad, 28. VI. 1970, 1♂ (Loc. No. 32); SE. Iran, Bahu-Kalat, 3.—4. IV. 1973, 1♂ (Loc. No. 147); S. Iran, 12 km NW. Minab, 18.—19. V. 1973; 2♂♂ (Loc. No. 202); S. Iran, Minab, 19.—20. V. 1973, 9♂♂, 8♀♀ (Loc. No. 203); S. Iran, Masiri, 11.—12. VI. 1973, 1♂ (Loc. No. 235).

Paleotropical species, known from S. W. and S. E. Iran only (Bey-Bienko 1951 : 105, Mirzayans 1959 : 10, Bey-Bienko and Richter 1960 : 3, Shumakov 1963 : 166). First record from Makran and North Iran.

Geographical distribution: E. Afghanistan, Iran, Saudi Arabia, India, Indonesia, Philippine Islands, S. China, Australia and Eastern Africa.

***Paratettix iranica* Uvarov, 1952**

Paratettix iranica Uvarov, 1952, in Uvarov and Dirsh, Verh. naturf. Ges. Basel, 63 : 3, figs. 1—4

Material examined: NW. Iran, 30 km NW. Mianeh, 5. VII. 1973, 1♂, 2♀♀ (Loc. No. 265); Turkey, C. Anatolia, Gürün, 16. VI. 1970, 1♀ (Loc.

No. 10); Balaban, 16. VI. 1970, 1♂ (Loc. No. 12). First record for the fauna of Turkey.

Geographical distribution: N. Iran and Turkey (Central Anatolia).

***Paratettix obliteratus iranicus* Bey-Bienko, 1951**

Paratettix obliteratus iranicus Bey-Bienko, 1951, in Bey-Bienko and Mistshenko, Saranchevye fauny USSR i sopred. stran, I : 105, fig. 65

Material examined: N. Iran, Shahi, 24. VII. 1970, 28♂♂, 20♀♀, 2 nymphs (Loc. No. 71); S. Iran, Isin, 11.—15. V. 1973, 44♂♂, 51♀♀, 1 nymph (Loc. No. 198); S. Iran, Kushk, N. Masiri, 1800 m, 12. VI. 1973, 28♂♂, 23♀♀ (Loc. No. 237); S. Iran, Zagros, Sisakht, 2400 m, 13.—15. VI. 1973, 1♂ (Loc. No. 240); S. Iran, Bishapur, Tange Chogan, 1000 m, 10. VI. 1973, 3♂♂, 7♀♀ (Loc. No. 233); S. Iran, 13 km SSW. Yasuj, 1800 m, 12.—13. VI. 1973, 12♂♂, 19♀♀ (Loc. No. 239); S. Iran, Zagros, Yasuj, 16. VI. 1973, 12♂♂, 15♀♀ (Loc. No. 243); S. Iran, 40 km SE. Minab, 21. V. 1973, 38♂♂, 18♀♀, 2 nymphs (Loc. No. 205); E. Iran, Taftan, Tamandan, 2100 m, 20. IV. 1973, 1♀ (Loc. No. 167); N. Iran, 8 km NW. Malawi, 880 m, 9.—10. IV. 1977, 2♂♂, 1♂, 2 nymphs (Loc. No. 283); SW. Iran, Bidruyeh, 36 km NNW. Andimeshk, 440 m, 11.—12. IV. 1977, 1♂ (Loc. No. 285); SE. Iran, 16 km SE. Tange-Sarhe, 900 m, 10. IV. 1973, 1♂ (Loc. No. 154).

This subspecies is widely distributed in southern parts of Iran (Bey-Bienko 1951 : 105, Mirzayans 1959 : 10, Bey-Bienko and Richter 1960 : 2, Shumakov 1963 : 166). It is recorded for the first time from North Iran. Typical subspecies is distributed in S. Transcaucasia.

***Ergatettix dorsiferus* Walker, 1871**

Tettix dorsiferus Walker, 1871, Cat. Dermapt. Salt. Brit. Mus., 5 : 825

Material examined: N. Iran, Shahi, 24. VII. 1970, 3♀♀ (Loc. No. 71); S. Iran, Minab, 19.—20. V. 1973, 2♂♂, 6♀♀ (Loc. No. 203); S. Iran, 40 km SE. Minab, 21. V. 1973 1♀ (Loc. No. 205); S. Iran, Isin, 28. IV.—6. V. 1977, 1♂, 1♀ (Loc. No. 320); S. Iran, Senderk, 220 m, 12.—13. V. 1977, 1♂ (Loc. No. 327).

This species is recorded by Bey-Bienko (1951 : 107), Mirzayans (1959 : 10), Bey-Bienko and Richter (1960 : 3) and Shumakov (1963 : 166) from Southern- and South-eastern parts of Iran. First record from Makran and North Iran.

Geographical distribution: Iran, E. Afghanistan, southern parts of C. Asia, India, Sri Lanka(?), N. and C. China.

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