

**RESULTS OF THE CZECHOSLOVAK-IRANIAN
ENTOMOLOGICAL EXPEDITIONS TO IRAN**

Coleoptera : Ptilidae

COLIN JOHNSON

Department of Entomology, Manchester Museum, The University, Manchester

Sixteen specimens of Ptiliidae were collected on the expedition of the National Museum of Natural History, Prague, to Iran during 1970. They represent five species, one of which is new to science. Few members of the family appear to have been recorded previously from the country, so this material represents a valuable addition to our knowledge. For the opportunity to study the material, I am indebted to my colleague Dr. J. Jelínek.

Genus Nossidium Erichson, 1845

Nossidium pilosellum (Marsham, 1802)

Marsham, 1802, Coleopt. Brit. 1 : 78 (*Dermestes*); Matthews, 1872, Trichopt. illustr.: 62; Flach, 1889, Verh. zool.-bot. Ges. Wien 39 : 493; Besuchet, 1971, in Freude, Harde u. Lohse, Die Käfer mitteleurop. 3 : 315.

N. Iran — Robat-e Qozlog, 500 m S. Gorgan, loc. no. 74, 26. VII. 1970, 2 ex. Beech forest.

Wider distribution. South England, France, north Spain, central and eastern Europe eastwards to the Caucasus.

Genus Acrotrichis Motschulsky, 1848

Acrotrichis (Ctenopteryx) grandicollis (Mannerheim, 1844)

Mannerheim, 1844, Bull. Soc. Nat. Moscou 17 (1) : 181 (*Trichopteryx*); Matthews, 1872, Trichopt. illustr. : 135 (*Trichopteryx*); Flach, 1889, Verh. zool.-bot. Ges. Wien 39 : 517 (*Trichopteryx*); Sundt, 1958, Norsk ent. Tidsskr. 10 : 259, pl. 1, 2, 4; Sundt, 1971, in Freude, Harde u. Lohse, Die Käfer mitteleurop. 3 : 336, 340.

N. Iran — W. Elburz, Kalardasht pl. Rudbarak, 1850—2400 m, loc. no. 92, 13. VIII. 1970, 4 ex. Beech forest.

Wider distribution. A wide-ranging holarctic species. All Europe, North Africa, Asia Minor; Siberia, Mongolia, Japan; north India, Nepal; U.S.A. and Canada.

Acrotrichis (s. str.) fascicularis (Herbst, 1793)

Herbst, 1793, Nat. Syst. Käf. 5 : 8 (*Lathridius*); Matthews, 1872, Trichopt. illustr.: 134 (*Trichopteryx*); Flach, 1889, Verh. zool.-bot. Ges. Wien 39 : 519 (*Trichopteryx*); Sundt, 1958, Norsk ent. Tidsskr. 10 : 257—8, pl. 1, 3; Sundt, 1971, in Freude, Harde u. Lohse, Die Käfer mitteleurop. 3 : 340—1.

N. Iran — W. Elburz, Kalardasht pl. Rudbarak, 1850—2400 m, loc. no. 92, 13. VIII. 1970, 4 ♂ 2 ♀. Beech forest.

Wider distribution. Almost all Europe, North Africa; U.S.A., Canada; New Zealand.

Acrotrichis (s. str.) *jelineki* sp. n.

(Fig. 1)

Length 0.96—0.98 mm, from front of retracted head to elytral apex. Blackish species. Antennae moderate in length, pale (amber coloured). Head somewhat closely punctulated but not dull. Pronotum domed, broadest more-or-less at the base,

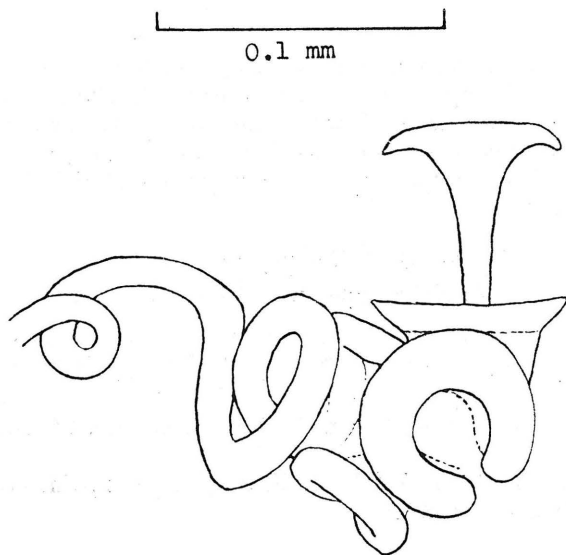


Fig. 1: *Acrotrichis* (s. str.) *jelineki* sp. n., spermatheca.

finely and rather closely punctulated; pronotal side-edge (viewed from an angle of 45°) moderately curved, the front half straighter than the rear. Elytra not narrowed apically, sculpture similar to that on the pronotum. Male:aedeagus without any special characters. Female: spermatheca fig. 1.

Holotype ♀. N. Iran — W. Elburz, Kalardasht pl. Rudbarak, 1850—2400 m, loc. no. 92, 13. VIII. 1970, Beech forest (in National Mus. Nat. History, Praha), (Cat. no 26562).

Paratypes. Same data, 1 ♂, 1 ♀.

Dedication. It is a pleasure to dedicate this species to my esteemed colleague Dr. Josef Jelínek, Praha.

Notes. In external appearance, *jelineki* is inseparable from *insularis* (Mäklin), but possesses a quite different spermatheca. This organ, due to the shape and position

of the coils immediately below the collar, places our new species in the group which only comprises *henrici* (Matthews) and *rosskotheni* Sundt as yet. Although the spermatheca is much the same build as in the last-named species, *rosskotheni* is a larger, *intermedia*-like beetle in size, shape and antennal length, and cannot be confused with the differently-shaped, smaller, *jelineki*, with its shorter antennae. Compared with *henrici*, the shape, sculpture, antennal colour, paler and more slender spermatheca will immediately distinguish the Matthewsian species.

***Acrotrichis* (s. str.) *matthewsi* (Wollaston, 1864)**

Wollaston, 1864, Cat. Coleopt. Canar.: 103 (*Trichopteryx*); Matthews, 1872, Trichopt. illustr.: 115 (*Trichopteryx*); Sundt, 1963, Comm. Biol. Helsingfors 25 : 28; Sundt, 1971, in Freude, Harde u. Lohse, Die Käfer mitteleurop. 3 : 340—1.
soror Flach, 1889, Verh. zool.-bot. Ges. Wien 39 : 520 (*Trichopteryx*).

N. Iran — W. Elburz, Kalardasht pl. Rudbarak, 1850—2400 m, loc. no. 92, 13. VIII. 1970, 1 ♂. Beech forest.

Wider distribution. A little-known species. Canary Islands (Palma) and the Caucasus (Lenkoran and Swanetien).

Summary

Five species of Ptiliidae are recorded from Iran for the first time. These are *Nossidium pilosellum* (Marsh.), *Acrotrichis grandicollis* (Mannh.), *A. fascicularis* (Hbst.), *A. matthewsi* (Woll.) and *A. jelineki* sp. n., the latter being described and figured.