

**RESULTS OF THE CZECHOSLOVAK-IRANIAN ENTOMOLOGICAL
EXPEDITIONS TO IRAN****Coleoptera : Staphylinidae. Three new species of Staphylinids from Iran**

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Iranian entomologist ing. H. Broumand (Plant Pests and Diseases Research Institute, Tehran) handed me a small material of Staphylinids for determination. This material was from province Khouzestan and was complemented with material from the second expedition of the National Museum in Praha to Iran. The opportunity to examine this material was extended by Dr. J. Jelínek CSc. from this institution.

***Achenium khouzestanicum* sp. n.**

Holotype: ♂ Khouzestan: Dezfoul, Haft-tapeh, 13. 5. 1975, 20 m, Pazouki et Broumand lgt., coll. Plant Pests and Diseases Research Inst., Tehran. Aedoeagus mounted in Canada balsam.

Paratypes: 2 ♂, 4 ♀, the same date as holotype, coll. Plant Pests and Diseases Research Inst., Tehran, coll. Dept. Entomol. Nat. Mus., Praha; 2 ♂, 2 ♀, Khouzestan: Ahvaz, Mollasani, 16. 5. 1975, 20 m, Pazouki et Broumand lgt., coll. Plant Pests and Diseases Research Inst., Tehran, coll. Boháč, Praha.

Head and thorax black, elytra brown-red, at the base blackish, abdomen black, the two last abdominal segments brown-red. Antennae, mouth parts and legs yellow-brown. Elytra and abdomen yellow pubescent.

Head as long as wide (shorter than at *Achenium aequatum* (Er.), extended to the back. Its surface is relatively densely and coarsely dotted. Punctures a little more rough than at *A. aequatum* (Er.), distance between them is twice to three times bigger than is the diameter of each puncture. Microsculpture distinct. The centre of head with sporadic puncturation. Eyes are bigger than those of *A. aequatum* (Er.), temples three times longer than the eyes. Temporal projections conspicuous. The lateral margin behind the eyes densely chaetotaxy. Antennae like the antennae of *A. aequatum* (Er.). The first joint shorter.

Thorax as wide as long, without microsculpture, very tapering to the back, shorter than at *A. aequatum* (Er.). Almost distinctly are made about its centre two lines of punctures. Between this lines punctures absent.

Elytra are one fourth longer than wide, without microsculpture, punctated similarly as it is on the head (puncturation more sparse than at *A. aequatum* (Er.)). Scutellum with several punctures.

Abdomen finely and relatively densely punctated (as at *A. aequatum* (Er.)) with long setae on its margin. Distinct dense microsculpture.

Aedoeagus (figs. 1, 2) long, slender. Operculum reaches almost to the apex of lamina ventrale, which is hooked. Lamina dorsale rather indistinct. Paramere reach almost to the half of lamina dorsale.

Length: 8—10 mm.

According division into groups on the base of structure aedoeagus (Coiffait 1971), this species pertains to the group *A. haemorrhoidale* (Lucas) and that among big species of this group. It differs from these species by the structure of aedoeagus, by which it reminds *A. cribriceps* Fauv. and *A. mesopotamicum* Coiff. These species are much smaller. With the light apex of abdomen it differs from *A. libanoticum* Fagel and with dark abdomen it differs from *A. rufomajor* Coiff. and *A. caucasicum* (Cst.). *A. debile* differs with sparse puncturation of head and *A. semnacheribi* Sauley and *A. richteri* Scheerp. by the shape of aedoeagus.

Philonthus knouzeztanicus sp. n.

Holotype: ♂, SE Iran, Tis. 6.—7. 4. 1973, loc. no. 150, Exp. Nat. Mus. Praha, coll. Dept. Ent. Nat. Mus., Praha (Cat. no. 26568).

Paratypes: 9 ♂, 22 ♀, the same date as holotype, coll. Dept. Ent. Mus., Praha, coll. Plant Pests and Diseases Research Inst., Tehran, coll. Boháč, Praha; 1 ♂ Khouzeestan: Ahvaz, Mollasani, 16. 5. 1975, 20 m, Pazouki et Broumand lgt., coll. Plant Pests and Diseases Research Inst., Tehran; 1 ♀, SE Iran: Bahu-Kalat, 3.—4. 4. 1973, loc. no. 147, Exp. Nat. Mus. Praha, coll. Dept. Ent. Nat. Mus., Praha; 1 ♀, S Iran: Minab, 19.—20. 5. 1973, loc. no. 203, Exp. Nat. Mus. Praha, coll. Dept. Ent. Nat. Mus., Praha.

Head and thorax black, elytra brown-red, at the base blackish, abdomen black, the two last abdominal segments brown-red. Antennae, mouth parts and legs yellow-brown. Elytra and abdomen yellow pubescent.

Head black, thorax honey-brown, elytra yellow-red with big dark brown spot in the centre, so that there remains only light region around scutellum, along the suture and on the base of elytra. Scutellum is brown. Abdomen brown-black. Antennae brown-black, the first two joints being yellow. Mouth parts and legs light yellow.

Head as long as wide with relatively conspicuous temporal projections. Its surface with distinct microsculpture. Temples are by one tenth shorter than the biggest diameter of the eyes with several long setae and dots. Antennae with third joint twice as long as it is wide in the apex, the fourth one being one and half times as long as it is wide and subsequented as long as wide.

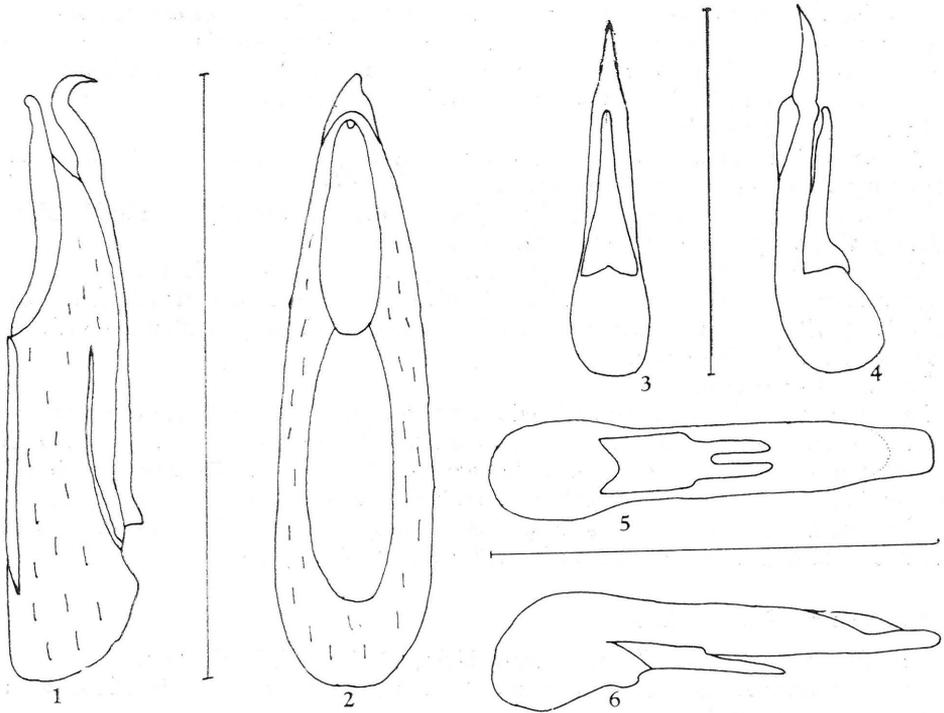
Thorax as long as wide. The dorsal line of punctures consists of five punctures. On its surface there is a very indistinct microsculpture.

Elytra about one fourth longer than wide, very expressively punctated. The distance between punctures twice longer than the diameter of each of them. Densely yellow pubescent. Scutellum punctated like elytra.

Abdomen densely yellow pubescent and more finely punctated than elytra.

♂: anterior tarsi extended, the sixth sternite on his apical margin bow-like out off. Aedoeagus (figs. 3, 4) long and with very long and sharp spike. Also paramere is very long and with sharp spike reaching onto three fourth of aedoeagus. The division of the spike in two arms is indicated.

Length: 4—5 mm.



Figs. 1–6: Ventral and lateral views of aedeagus of: 1–2: *Achenium khouzestanicum* sp. n. (scale – 1,4 mm), 3–4: *Philonthus khouzestanicus* sp. n. (scale – 0,8 mm), 5–6: *Philonthus broumandi* sp. n. (scale – 1,0 mm).

By structure of aedeagus it is related to *Philonthus coracion* Peyer., however light coloured. After antennae, the joints of which are not transverse it relates to the group of *P. quisquiliarius* Gyll. With relatively expressive temporal projections to *P. diversiceps* Bernh. and *P. viridipennis* Fauv. But colour is light and the structure of aedeagus is different.

Philonthus broumandi sp. n.

Holotype: ♂, Khouzestan: Dezfoul, Haft-tapeh, 13. 5. 1975, 20 m, Pazouki et Broumand lgt., coll. Plant Pests and Diseases Research Inst., Tehran.

Paratype: ♀, the same date as holotype, coll. Dept. Ent. Nat. Mus., Praha.

Head black, thorax brown-red, elytra brown with brown-black apical margin. Abdomen brown-black. The surface of elytra and abdomen densely brown-yellow pubescent. Antennae brown-black, the first two joints and the half of the third one are yellow. Mouth parts and legs light brown-yellow.

Head as long as wide with indistinct temporal projections. Its surface with indistinct microsculpture. Eyes big, temples as long as the biggest diameter of the eye. Between the temples there are four punctures. The inner punctures on two diameter.

length distant from outer ones. Temples with big quantity (20) of coarse punctures and long setae as for as the eyes. Antennae long, the first joint three and half times longer than it is wide on apex, the second one three times longer than it is wide, the third one three and half times as long as wide, the fourth twice and subsequented a little longer than their width.

Thorax as long as wide with six punctures in dorsal line. Yellow iridescent and with very strong microsculpture as it occurs in *P. salinus* Kiesw.

Elytra as long as wide very densely and finely punctated (finely than in *P. salinus* Kiesw.) with very fine microsculpture. The surface dull.

Abdomen as well as elytra densely and finely punctated, blue iridescent.

♂: anterior tarsi extended, the sixth sternit on his apex sharp cut off. Aedoeagus (figs. 5, 6) with paramere reaching onto two thirds whole length. Paramere divided into two parallel going arms.

Length: 6–6,5 mm.

The species is with structure of aedoeagus related to *P. berytensis* Jarr. but the apex of aedoeagus of this species is asymmetric and legs dark. From *P. fuscatus* Kr. (in this species the male has not been known yet) it differs with dark colour of abdomen and smaller size. From *P. oblitus* Jarr. it differs with the structure of paramere the arms of which are longer in this species and they converge into sharp angle. With the structure of paramere it differs from *P. schaeuffeli* Scheerp.

Except this species was found:

Oxytelus sculptus Grav., Iran: Teheran-Evin, 30. 6. 1975, L. T., 2 ex.

Paederus fuscipes Curt., Khuzestan: Dezfoul, Haft-tapeh, 13. 5. 1975, 20 m, Pazouki et Broumand lgt., 1 ex.

Lithocharis ochracea (Grav.), Iran: Teheran-Evin, 2. 7. 1975, L. T., 1 ex.

Philonthus bagdadensis Coiffait, Khuzestan: Ahvaz-Mollasani, 16. 5. 1975, 20 m, Pazouki et Broumand lgt., 1 ex., Khuzestan: Dezfoul, Haft-tapeh, 13. 5. 1975, 20 m, Pazouki et Broumand lgt., 1 ex.

Nehemitropia sordida (Mannh.), Iran: Teheran-Evin, 30. 6. 1975, L. T., 1 ex.

References

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 Jarrige J., 1951: *Philonthus circummediterraneus* nouveaux ou mal connus (Col., Staphylinidae). *Bull. Soc. ent. Fr.*, **1** : 6–10.
 Scheerpeltz O., 1961: Die von den Herrn W. Richter und Dr. F. Schaeuffele in den Jahren 1954 und 1956 im Südiran aufgefundenen Staphyliniden (Col.) *Stutt. Beitr. Naturk.*, **50** : 31 pp.

Souhrn

V práci jsou popsány tři nové druhy drabčičků z Íránu z provincie Khuzestan (*Achenium khuzestanicum*, *Philonthus khuzestanicus* a *Philonthus broumandi*).

Abstract

Three new Staphylinid species from Iran province Khuzestan are described (*Achenium khuzestanicum*, *Philonthus khuzestanicus* and *Philonthus broumandi*).