

RESULTS OF THE CZECHOSLOVAK-IRANIAN ENTOMOLOGICAL EXPEDITIONS TO IRAN

(Together with results of collections made in Anatolia 1947 and 1970)
Coleoptera, Dryopoidea : Dryopidae and Elminthidae

MASSIMO OLMI

Institute of Entomology, University of Torino, Torino

The material recorded in this paper comes from collections made in Anatolia and Iran during 1947 and 1970 by the National Museum of Natural History of Praha. I am indebted to Dr. J. Jelínek for the opportunity to work over these most interesting collections. The present paper deals with Dryopidae and Elminthidae (Coleoptera, Dryopoidea).

DRYOPIDAE

Parahelichus angulicollis (Reitter, 1887)

Pomatinus angulicollis Reitter, 1887

Material examined: Turkey, Anatolia, Karataş, 2.—5. 8. 1947, Exp. N. Mus. Praha, 5 ex.; Northern Iran, Wildlf. Park, Vicinity of Dasht, 650 m, 27.—30. 7. 1970, Loc. no. 77, Exp. Nat. Mus. Praha, 75 ex.

Distribution: Caucasus (Reitter 1887), Georgia (Tbilisi, Manglisi), (Bollow 1940), Northern Turkey (Tokat) (Bollow 1940), Northern Afghanistan (Herat) (Delève 1967), Southern Iran (Minab) (Delève 1970). With the present paper the distribution stretches to Northern Iran and Southern Turkey. I have seen also specimens from Western Turkey (Pamukkale and Aci Göl, leg. Gentili, now in coll. Olmi).

Dryops algericus (Lucas, 1849)

Parnus algericus Lucas, 1849

Material examined: South-western Iran, Shiraz (west), 4. 7. 1970, Loc. no. 43, Exp. Nat. Mus. Praha, 2 ex.

Distribution: Azores, Algeria, Morocco, Tunisia, Mediterranean Europe (Spain, France, Italy, Yugoslavia, Greece), Austria, Bulgaria, Lebanon, Syria, Irak (Olmi 1972). With the present paper the distribution stretches to Iran.

ELMINTHIDAE

Stenelmis puberula Reitter, 1887

Stenelmis apfelbecki Kuwert, 1890

Material examined: Northern Iran, C. Elburz, Gazanak, Haraz Chay, 1400 m, 20.—21. 7. 1970, Loc. no. 63, Exp. Nat. Mus. Praha, 7 ex.

Distribution: Caucasus (Reitter 1887), Eastern Europe (*St. apfelbecki*, synonym of *St. puberula*, was described from Bosnia). With the present paper the distribution stretches to Iran.

Remarks: *St. puberula* is a little known species. In the aedeagus (fig. 1) there are not the processes (on the inner side of the parameres) characteristic for the 3 European species, *St. canaliculata* (Gyllenhål 1808), *St. consobrina* Dufour, 1835 and *St. bollovotiva* Steffan, 1961. The pronotum is not so deeply sinuate as in *St. peropaca* Reitter, 1907 and *St. nematodes* Janssens, 1959. The distal apex of the parameres is bent in *St. puberula*, whereas it is right in *St. damascena* Reitter, 1907 and *St. iranensis* Delève, 1970.

Elmis assyriae sp. n.

Material examined: Turkey, Anatolia, Yeniköy, Toros, 2. 9. 1947, Exp. N. Mus. Praha, 24 ex.; Turkey, SE Anatolia, N of Baskale, 2600 m, 21. 8. 1970, Loc. no. 104, Exp. Nat. Mus. Praha, 8 ex.; Turkey, S. Anatolia Kozan, Toros, 8.—9. 8. 1947, Exp. N. Mus. Praha, 410 ex.

Type-series: it consists of all the examined specimens. The holotypus ♂ is labelled „Yeniköy, Toros, Anat., 2. 9. 1947, Exp. N. Mus. Praha, Holotypus, *Elmis assyriae* Olmi“ (Cat. no. 26567). The paratypes are 441 (410 from Kozan, 8 from Baskale and 23 from Yeniköy). Holotypus and 434 paratypes are deposited in the National Museum of Natural History of Praha; 7 paratypes in coll. Olmi.

Locus typicus: Yeniköy (Toros, Turkey).

Description: length 1,74—2,22 mm; body black, with antennae brown reddish (more dark at the apex) and with legs brown (tarsi more reddish). Aedeagus with papillae on the inner side of the parameres: *E. assyriae* so belongs to the group *mauetii*.

Remarks: the following species belong to the group *mauetii*: *E. mauetii* Latreille, 1798, with the formes *fossulata* (Kuwert, 1890) from Corsica and Sardinia and *velutina* (Reiche, 1879) from Algeria, *E. aenea* (Ph. Müller, 1806) and *E. rioloides* (Kuwert, 1890) (= *E. coiffaiti* Berthélemy et Clavel, 1961). *E. assyriae* is near *E. aenea* and *E. rioloides*, because the distal apex of the parameres is rounded (figs. 2, 3, 4), whereas it is sharp and bent in *E. mauetii* (fig. 5). A good character distinguishing *E. assyriae* from *E. aenea* and *E. rioloides* is the correlation between the length of the penis (fig. 2) and the length of the parameres: in *E. aenea* the ratio of length of the penis to length of the parameres is 1,18—1,26; in *E. assyriae* the same ratio is greater than 1,40.

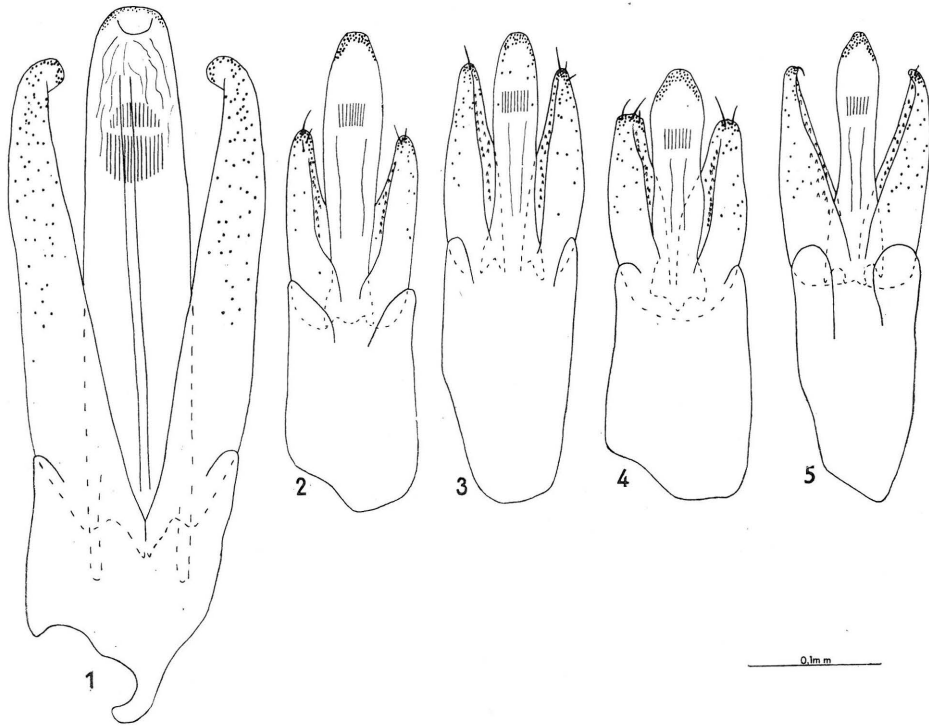
Riolus anatolicus Delève, 1963

Material examined: Turkey, SE Anatolia, N of Baskale, 2600 m, 21. 8. 1970, Loc. no. 104, Exp. Nat. Mus. Praha, 1 ♀.

Distribution: Western Turkey (Delève 1963). With the present paper the distribution stretches to Eastern Turkey.

Summary

In the present paper the author examines Dryopidae and Elminthidae found in Anatolia and Iran by the National Museum of Natural History of Praha during 1947 and 1970. *Parahelichus angulicollis* (Reitter) (Dryopidae) is new for Southern Turkey and



Figs. 1–5: Aedeagi in ventral view of *Stenelmis puberula* Reitter (1), *Elmis assyriae* sp. n. (2), *Elmis aenea* (Ph. Müller) (3), *Elmis rioloides* (Kuwert) (4) and *Elmis maugetii* Latreille (5).

Northern Iran; *Dryops algericus* (Lucas) (Dryopidae) and *Stenelmis puberula* Reitter (Elminthidae) are new for Iran; *Riolus anatolicus* Delève (Elminthidae) is new for Eastern Turkey; *Elmis assyriae* sp. n. (Elminthidae) is described from Turkey.

References

- Bollow H., 1940: Monographie der palaearktischen Dryopidae mit Berücksichtigung der eventuell transgredierenden Arten (Col.). *Mitt. münch. ent. Ges.*, **30** : 24–71.
- Delève J., 1963: Contribution à l'étude des Dryopoidea, IV, Résultats d'une campagne en Anatolie (E. Janssens, 1962), Dryopidae et Elminthidae. *Bull. Inst. r. Sci. nat. Belg.*, **39** (16) : 1–11.
- Delève J., 1967: Beiträge zur Kenntnis der Fauna Afghanistans, Coleoptera Dryopoidea. *Čas. morav. Mus. Brno*, **52** : 151–152.
- Delève J., 1970: Contribution à la Faune de l'Iran, 19, Coléoptères. Dryopoidea. *Ann. Soc. ent. Fr. (N. S.)*, **6** (3) : 701–703.
- Janssens E., 1959: Contribution à l'étude de la Faune d'Afghanistan, 20, Hydraenidae et Elmidae. *Bull. Instr. r. Sci. nat. Belg.*, **35** (45) : 1–8.
- Olmi M., 1972: The palaearctic species of the genus *Dryops* Olivier (Coleoptera, Dryopidae). *Boll. Mus. Zool. Univ. Torino*, 1972 (5) : 69–132.
- Reitter E., 1887: Neue Coleopteren aus Europa. *D. Ent. Z.*, **31** (1) : 241–288.