

Giuseppe Manganelli*

**TWO ADDITIONAL RECORDS FOR *LEIOSTYLA* IN TURKEY
(PULMONATA, ORCULIDAE/PUPILLIDAE)****

KEY WORDS: *Leiostylia*, Turkey.

Abstract

Two species of the genus *Leiostylia*, *L. tenuimarginata* (PILSBRY) and *L. sinangula* (SCHILEYKO), are reported for the first time from Turkey.

Riassunto:

Tra i materiali raccolti negli anni trascorsi in Turchia da alcuni zoologi italiani sono state rinvenute alcune conchiglie riferibili a due specie del genere *Leiostylia*: *L. tenuimarginata* (PILSBRY) and *L. sinangula* (SCHILEYKO), mai segnalate prima in Turchia anche se conosciute per la vicina Georgia (USSR).

Many Italian zoologists have visited Turkey in the last twenty years and collected molluscs which were given to Prof. GIUSTI of the Dept. of Evolutionary Biology of the University of Siena.

Among these materials two lots of *Leiostylia* were found. *Leiostylia* is a genus of the Lauriinae (Pulmonata: Orculidae according to PILSBRY, 1922; SCHILEYKO 1984; or Pupillidae ecc. to ZILCH, 1959, 1985; SCHILEYKO, 1975; BACKHUYS, 1975; DAMJANOV & LIKHAREV, 1975; KERNEY *et al.*, 1983; WALDEN, 1983; HOLYOAK & SEDDON, 1986; GITTENBERGER & PIEPER, 1988; DE WINTER & RIPKEN, 1989) with a broad discontinuous distribution in the Palearctic. It inhabits the Macaronesian Is., Maghreb and Atlantic Europe (Ireland, Great Britain, France, Spain, Portugal), is absent from central southern Europe and reappears in Bulgaria, Turkey, Crimea, Caucasus and North Iran. In the oriental sector, 11-13 species have been reported most from the Caucasus Region; in other areas only presences of apparently relict type have been documented (cf. MANGANELLI *et al.*, 1990).

The first record of *Leiostylia* in Turkey was published by RETOWSKY (1889) who described *Pupa (Charadrobia) pontica* from Samsum. This species was regarded as valid by PILSBRY (1922) and ZILCH (1985) and as a junior synonym of *Leiostylia pulchra* (RETOWSKY, 1883) by LIKHAREV & RAMMEL'MEIER (1952) and SCHILEYKO (1975, 1984). Later LINDHOLM (1914)

(*) Dipartimento di Biologia Evolutiva, Università di Siena, Via Mattioli 4, I-53100 Siena, Italy.

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described *Lauria paulinae* subsp. *unicolumellaris* from Mt. Salolet at Artvin. This taxon was regarded by SCHILEYKO (1975, 1984) as a simple form of *L. paulinae* (LINDHOLM, 1913). Many years later a third record was published by GÖTTING (1963) of a new species named *Leiostyla schweigeri* from Abant-Gebirge near Bolu.

Description of two species from Turkey and a third from the Russian - Turkish border are in press (B. POKRYSZKO pers. com.).

The two lots of materials in my possession correspond to two Russian (Georgian) species never before reported in Turkey:

Leiostyla tenuimarginata (PILSBRY, 1922)

Lauria (*Leiostyla*) *tenuimarginata* PILSBRY, 1922: 76-77, 1923: Pl. 10, figs. 1-2.

Euxinolauria (*Caucasipupa*) *tenuimarginata*, SCHILEYKO, 1984: 137-138, Figs. 64-65.

Material examined

Turkey: Borçka (Artvin), G. OSELLA leg. 18.VI.1969 (1 sp.) GIUSTI collection (University of Siena, Italy).

Leiostyla sinangula (SCHILEYKO, 1975)

Euxinolauria (*Caucasipupa*) *sinangula* SCHILEYKO, 1975: 1775, Figs. 3,3-4, 6,7.

Euxinolauria (*Caucasipupa*) *sinangula*, SCHILEYKO, 1984: 143-145, Figs. 72-73.

Material examined

Turkey: Borçka (Artvin), V. COTTARELLI leg. 15-18.VI.1969 (2 sps.) GIUSTI collection (University of Siena, Italy).

Comments

The present report adds two more *Leiostyla* species to the malacofauna of Turkey: *L. tenuimarginata* and *L. sinangula*. This however is not very surprising since Borçka (Artvin) is close to the three Georgian (USSR) sites where the two species are known.

L. tenuimarginata was known from Notanebi Post, 40 km north of Batumi (type locality); Botanical Gardens of Batumi; Ciakvistavi, 20 km east of Batumi (LIKHAREV & RAMMEL'MEIER, 1952; SCHILEYKO, 1975, 1984). Although our specimen (Fig. 1) is more cylindrical (less conical) in shape than those reported in the literature (cf. PILSBRY, 1923: Pl. 10, figs. 1-2; LIKHAREV

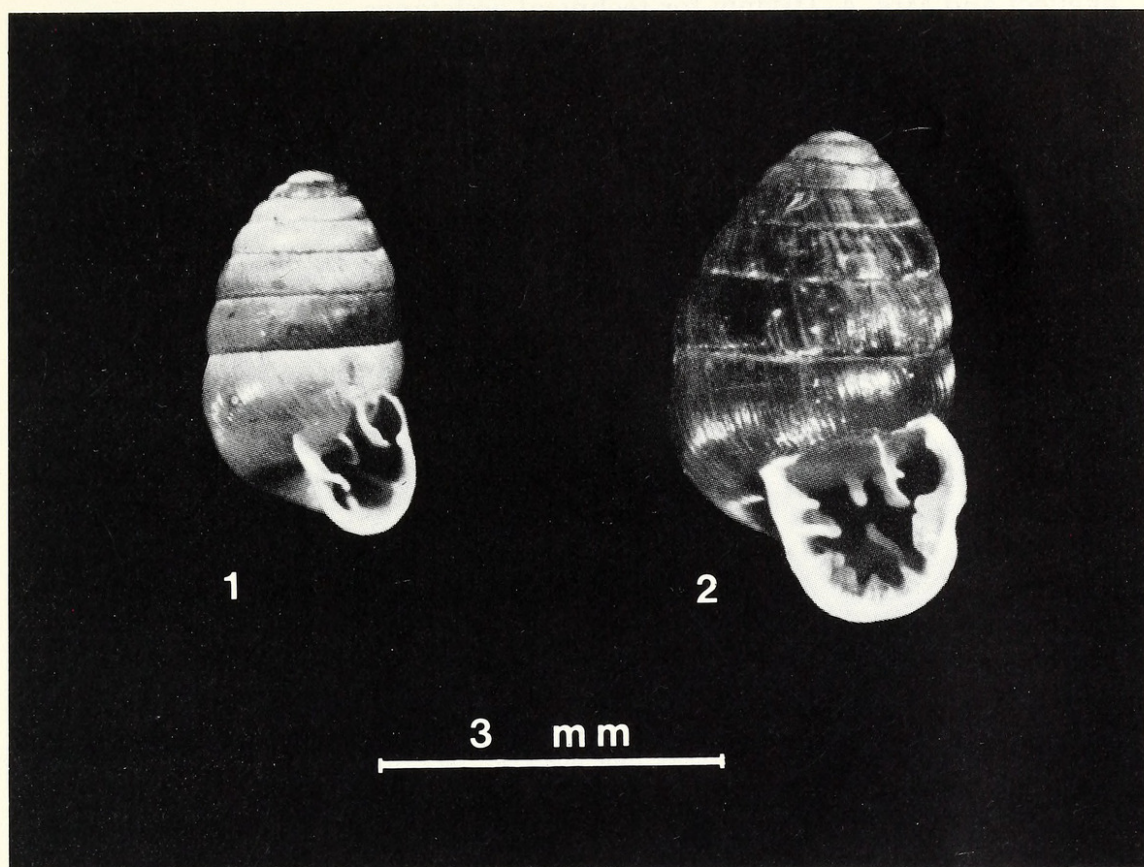


Fig. 1. *Leiostyla tenuimarginata* (PILSBRY, 1922). Borçka (Artvin, Turkey), G. OSELLA leg. 18.VI.1969.

Fig. 2. *Leiostyla sinangula* (SCHILEYKO, 1984). Borçka (Artvin, Turkey), V. COTTARELLI leg. 15-18.VI.1969.

& RAMMEL'MEIER, 1952; Fig. 67; SCHILEYKO, 1984: 68) it corresponds very well to the latter and to a shell examined by us (SMF 52113) in the simplified structure of the apertural armature. This character makes *L. tenuimarginata* one of the most peculiar oriental *Leiostyla* species.

The other species was also reported from the Botanical Gardens of Batumi where it was found together with *L. tenuimarginata* in the litter and on bamboo stems. The only adult specimen in my possession resembles that illustrated by SCHILEYKO (1984: Fig. 72) in shape, in the presence of two horizontal columellar lamellae, and in the form of the peristomial knob and crenulated peristome. These characters also correspond to those of the shell figured and erroneously (SCHILEYKO, *pers. com.*) referred to as *L. paulinae* by LIKHAREV & RAMMEL'MEIER (1952: Fig. 66).

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