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A new *Clavipanurgus* (Andrenidae, Panurginae) species from Georgia, *Clavipanurgus eurystylus* sp.nov.

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Abstract: Nine *Clavipanurgus* WARNCKE 1972 species were described since WARNCKE's (1987) *C. stylus* description. Studying the OÖL collections, the author found a new species in a small Georgian sample. *Clavipanurgus eurystylus* sp.nov. is morphologically close to *C. stylus* and particularly well characterized by its typical gonostyli shape.

Introduction

Clavipanurgus was described by WARNCKE (1972) as a *Panurgus* PANZER 1806 subgenus. In 1972 and 1987, this author pooled in the group 9 *Clavipanurgus* species of which only two had been previously described by MORAWITZ. PATINY (1999a,b, 2001) proposed the subgenus rise to the generic rank, as it was done by RUZ (1986) and PATINY (1999a,b, 2001) in cases of most Warncke Old World Panurginae subgenera. Recently, studying the Linz Oberösterreichisches Landesmuseum collections, a new species was found in a Georgian sample. This taxon is here described and its systematic affinities among *Clavipanurgus* are briefly discussed.

Systematic of the *Clavipanurgus*

***Clavipanurgus* WARNCKE 1972**

Type species: *Panurgus* (*Clavipanurgus*) *clavatus* WARNCKE 1972

= *Clavipanurgus clavatus* (WARNCKE 1972)

Clavipanurgus anatolicus (WARNCKE 1972)

Clavipanurgus cavus (WARNCKE 1987)

Clavipanurgus clavatus (WARNCKE 1972)

Clavipanurgus desertus (WARNCKE 1987)

Clavipanurgus eurystylus sp.nov.

Clavipanurgus impressus (WARNCKE 1972)

Clavipanurgus orientalicus (WARNCKE 1972)

Clavipanurgus punctiventris (MORAWITZ 1876)

= *Panurginus punctiventris* MORAWITZ 1876

Clavipanurgus sculpturatus (MORAWITZ 1873)

= *Panurginus sculpturatus* MORAWITZ 1873

C. sculpturatus sculpturatus (MORAWITZ 1873)

C. sculpturatus balcanicus (WARNCKE 1972)

C. sculpturatus magnus (WARNCKE 1972)

Clavipanurgus stylus (WARNCKE 1987)

Description of the new species *Clavipanurgus eurystylus* sp.nov. (Fig. 1a)

Type material: one ♂ holotype conserved in Biology Centre Linz, Museum of Upper Austria.

Locus typicus and original labelling: Gruzia; Gruzia, Lisie lake, 24.5.1973, leg. Dr Svozil.

Derivatio nominis. The specific epithet *eurystylus* is chosen to describe the typical gonostyli shape.

Diagnosis. Medium sized species (about 7,5mm). Thorax, nota and pleurae, regularly punctured. St7 apex subhexagonal, a bit elongated. Gonostyli short, medially enlarged and ended by a short and strong process.

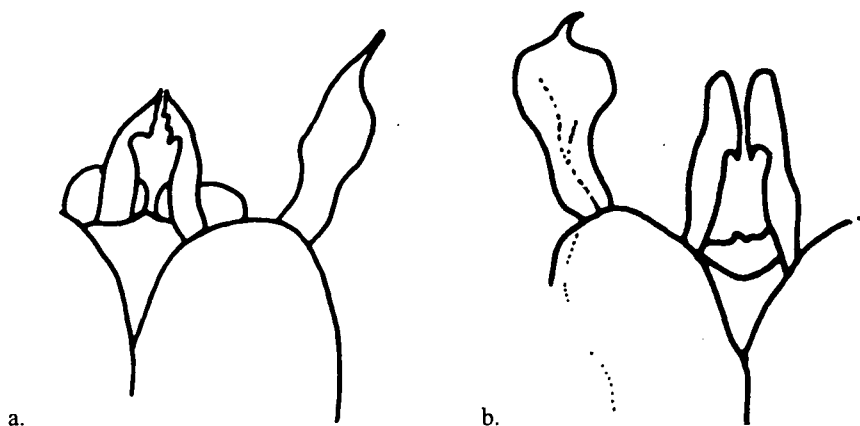


Fig. 1 a – *Clavipanurgus eurystylus* sp.nov. gonostyli and gonocoxite apical part; b – *Clavipanurgus stylus* WARNCKE 1987 gonostyli and gonocoxite apical part.

Males: Head: Face subtrapezoidal, shorter than wide, strongly narrower ventrally than dorsally. Clypeus yellow; cuticle, as this of the surrounding parts, weakly punctured, smooth and strongly shiny. Labral lamella trapezoidal, distally rounded, medially depressed. Labrum and clypeus with a rather abundant and long terminal whitish pilosity. Mouth parts less than half as long as face. Glossa apically tapered. Galea shorter than face, apically slender. Maxillary palpi (PMx) longer than glossa. Labial palpi (PLb) shorter, longer than galea. PMx and PLb segments undifferentiated. Genae shiny and regularly punctured as front and vertex. Foveae faciales reduced to traces. Vertex strongly angulous, backward roundly emarginate. Scapus short. A3 nearly twice longer than A4. Funicule entirely black, medially brownish. A13 rounded, not enlarged ventrally. **Mesosoma:** Thorax entirely black (except some legs parts). Pronotum, mesonotum, scutellum, mesopleurae, mesepisterna uniformly punctured; space between points about equal to point diameter. Cuticle between points smooth and shiny. Propodeum rougher sculptured, lesser shiny. Thorax, mainly pleurae, wearing a long and weak whitish pilosity. Legs black wearing long whitish pilosity. Tb1 anterior edge yellow, as Tb3 proximal part. Bt1-3 yellow, tarsus 2-3 darker, brownish. F2-Tb2 articulation and Tb2 apex with a yellow spot. **Metasoma:** Terga black, the apical depression brownish. Terga proximal part densely and regularly punctured, a bit rougher than mesonotum. Apical depression smooth. Cuticle densely shiny. Pilosity rare, mainly concentrated at

the metasoma apex, long and whitish. Sterna densely and roughly punctured. Apical margin thin, translucent, yellowish. Sparse long and whitish pilosity. St6 with two lateral strong depressions at each side of a median crest. St6 ended by a bushy apex. St7 ended by a long gut-shaped apex (about as long as basis). St8 distal part tapered, the apex sub-hexagonal. **G e n i t a l p a r t s**: Gonocoxites globulous and simple. Volsellae well developed, short and globulous, dorsally observable. Sagittae short and apically lightly hooked. Gonostyli enlarged and rounded apically, ended by a short and strong tapered process.

F e m a l e s: Unknown.

Discussion

Like its sister genus *Panurginus*, *Clavipanurgus* constitute a morphologically very homogeneous group. All species display close appearance and their characterisation is only easy by the male genital and perigenital structures comparison. On base of the genital structures variations, three or four species groups can be distinguished. The first pools species with simple, not derived gonostyli. By second group, these structures present a well differentiated apex, ended by a short and strong process. Finally a third group is characterized by a long typical expansion ending the gonostyli. Inside this latter *C. sculpturatus* can be isolated, this species displaying a strong foliated enlargement of the gonostyli apical expansion. *C. stylus* (fig. 1b) and the here described new species (fig. 1a) are obviously close one from the other on base of these characters and should be associated in the second species group.

Zusammenfassung

Seit der Beschreibung von *Clavipanurgus stylus* (WARNCKE 1987) wurden neun *Clavipanurgus*-Arten neu für die Wissenschaft beschrieben. Durch Studien in der Sammlung des Biologiezentrums Linz stieß der Autor auf eine neue Art, die in einem Einzelexemplar aus Georgien vorliegt. Die Spezies, *Clavipanurgus eurystylus* sp.nov., ist eng mit *C. stylus* verwandt und u.a. an der typischen Gestalt des Gonostylus von dieser zu unterscheiden.

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