

ACHILLE CASALE* - PIER MAURO GIACHINO** - ENRICO LANA***

Note sul genere *Duvalius* nelle Alpi occidentali e nell'Appennino Ligure, con descrizione di due nuovi taxa ipogei del Piemonte: *Duvalius (Duvalius) chestai* n. sp. e *Duvalius (Duvalius) gestroi cristianae* n. ssp. (Coleoptera, Carabidae: Trechini)

ABSTRACT - Notes on the genus *Duvalius* in the western Alps and Ligurian Apennines, with descriptions of two new hypogean taxa from Piedmont: *Duvalius (Duvalius) chestai* new species and *Duvalius (Duvalius) gestroi cristianae* new subspecies (Coleoptera, Carabidae: Trechini).

Duvalius (Duvalius) chestai new species is described from a natural cave in southern Piedmont (Ligurian Alps): the Grotta Oggeri cave near Lisio (Cuneo). Close to *D. (D.) lanai* Casale & Giachino, 2010, the new species is markedly distinct from the latter by its smaller size, the more developed traces of eyes, the more elongate and narrow elytra, with evident humeral angles and inner striae 1-4 deeper and deeply punctate, and the different shape of both median lobe of aedeagus and copulatory piece. With the sympatric species *D. morisii* Vigna Taglianti & Casale, 1973, and *D. lanai* Casale & Giachino, 2010, it represents the easternmost representative of the *D. carantii* species group, that includes some taxa spread in Ligurian and Maritime Alps.

Duvalius (Duvalius) gestroi cristianae new subspecies is described from an artificial cave in southern Piedmont (Ligurian Apennines, Alessandria province): Parco Naturale Capanne di Marcarolo, Mine 2 near Laghi della Lavagnina. Close to *D. (D.) gestroi* ssp. *annae* Briganti, 1976, the new subspecies is distinct from the latter and *D. (D.) gestroi gestroi* (Doderò, 1900) for the shape of pronotum, with lateral margins not sinuate in the basal third, narrowed and straight to the basal angles, for the elytra narrower and more elongate, subparallel-sided, with humeral angles more evident, and for the copulatory piece of endophallus with membranous apex more acuminate. Furthermore, the new *taxon* is the north-western geo-

* c/o Università di Sassari (Zoologia). Privato: corso Raffaello 12, 10126 Torino (Italia). a_casale@libero.it

** Settore Fitosanitario Regionale, Environment Park, Palazzina A2, via Livorno 60, 10144 Torino (Italia). piermauro.giachino@regione.piemonte.it; p.maurogiachino@libero.it

*** Biologia Sotterranea Piemonte - Gruppo di Ricerca. Privato: corso Nizza 34, 12011 Borgo San Dalmazzo (Cuneo, Italia). enrlana@libero.it