

CORDULEGASTER BOLTONI TRINACRIAE WATERSTON, 1976 NEW TO THE FAUNA OF THE MAINLAND OF ITALY (ANISOPTERA: CORDULEGASTERIDAE)

Summarizing the available information on the distribution of *Cordulegaster annulatus* (Latr.) (= *C. boltoni* (Don.)) in Italy, C. MINNITI (1974, *Atti IX Congr. naz. ital. Ent., Siena, 1972*, pp. 39-55) listed *C. annulatus*, *C. a. charpentieri*, *C. a. immaculifrons*, *C. a. intermedius*, and a possible hybrid, *annulatus/charpentieri*.

While most of the material recorded in his paper should be revised in the future and much more material will have to be investigated, the

status of two forms seems to be clear at the moment. *Cordulegaster annulatus intermedius*, known only from the type, which is said to have come from Livorno, belongs to *C. pictus* Selys (cf. G. THEISCHINGER, 1979, *Odonatologica* 8: 23-38). Specimens from Sicily have been described as *C. boltoni trinacriae* by A.R. WATERSTON (1976), *Trans. R. Soc. Edinb.* 69: 457-466, who expressed some doubt as to whether the taxon is restricted to the island of Sicily or might occur in peninsular Italy as well.

The fact that a male in the Zoologische Staatssammlung des Bayerischen Staates, Munich, German Federal Republic, labelled "Calabria mer., Aspromonte, 900-1000 m, Anf. VIII 1920, H. Stauder leg.; *C. annulatus annulatus* Latr., det. A. Bilek", pertains to *C. boltoni trinacriae* Waterston, does not only mean the first record of this form from the mainland of Italy, but it also makes a thorough revision of the components of the *C. boltoni* complex in Italy very imperative — a need stressed already by H.J. DUMONT (1976, *Odonatologica* 5: 313-321). In order to remove all doubts as to the identity of the said Calabrian specimen and to avoid the absolute necessity of the future reviser to re-examine it

again, its somewhat damaged anal appendages are illustrated here (Fig. 1).

For morphological reasons it does not appear impossible to me that *C. b. trinacriae* may coexist with another, perhaps the nominate subspecies of *C. boltoni* in some parts of southern Italy, and it would merit even a specific rank.

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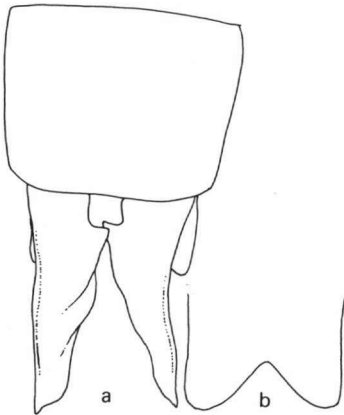


Fig. 1.
Waterston, ♂, Calabria, southern Italy: (a) Segment 10 and appendages, dorsal view; — (b) Appendix inferior, ventral view.