

A new *Mundochthonius* from the Dominican Republic (Pseudoscorpionida: Chthoniidae)

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The genus *Mundochthonius* Chamberlin is generally Holarctic in distribution, with only a single species described from a more southern area, namely *M. mexicanus* Muchmore (1973) in Nuevo Leon, northern Mexico (see Harvey 1991). It is, therefore, of considerable interest to report a new species on Hispaniola in the Caribbean Sea, within the tropics. I am indebted to Michael A. Ivie for sending me the unique type specimen.

Mundochthonius dominicanus, new species

Type data: Holotype male (WM7200.01001) from mixed forest at 1250 m, Las Abejas, ca. 35 km N of Cabo Rojo, Prov. Pedernales, DOMINICAN REPUBLIC, 26 August 1988, M. A. Ivie; mounted on slide, in FSCA.

Diagnosis: The new species is much like *M. rossi* Hoff (1949), from midwestern United States, but its appendages are less slender and the coxal spines less complex than in the latter.

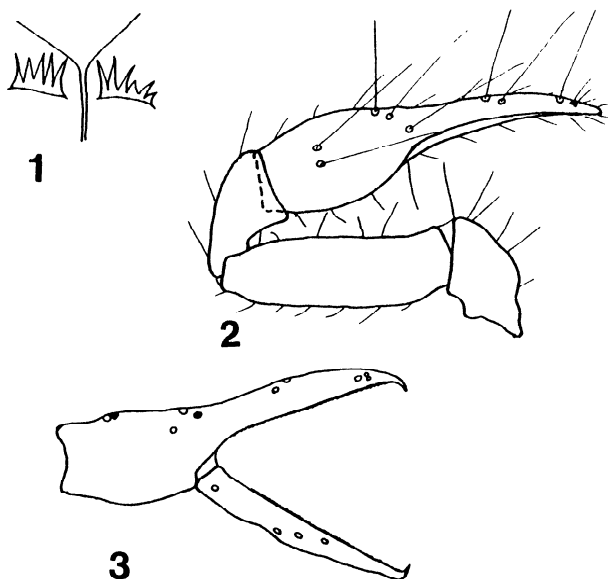
Description of male (female unknown): Palps very light brown, other parts tan. Carapace as long as broad; epistome serrate; 2 very faint eyes; chaetotaxy 6-4-4-2-2. Coxal area typical: chaetotaxy 2-2-1: mm-2-1:2-4-CS : 2-5:2-5, each coxa II with a single, deeply incised coxal spine (CS) (Fig. 1); intercoxal tubercle with 2 small setae. Tergal chaetotaxy 4:4:6:7:6:6:6:6:4:1T2T1:0; sternal chaetotaxy 10:[4-4]:(3)15-14/ 10(?) : (2) 8(2) : 11 : 8 : 8 : 7 : 8 : 6 : 0 : 2. Chelicera 0.8 as long as carapace; hand with 6 setae; flagellum of 8 setae; galea a very low elevation of the finger margin. Palp (Fig. 2): femur 0.85 and chela 1.25x as long as carapace; L/B of trochanter 1.95, femur 3.75, patella 1.75, and chela 4.0; L/D of hand 1.45; movable finger L / hand L 1.85. Movable finger of chela with a conspicuous depression on the ventral side proximad of middle (Fig. 3). Trichobothria typical. Fixed chelal finger with 47 and movable finger with 46 contiguous, rectangular teeth. Legs robust; leg IV with L/D of femur+patella 2.05 and tibia 3.25. Leg I with femur 1.75x as long as patella.

Measurements (mm): Body L 1.11. Carapace L 0.41. Chelicera 0.33/0.16. Palp: trochanter 0.185/0.095; femur 0.355/0.095; patella 0.20/0.115; chela 0.52/0.13; hand 0.19/0.13; movable finger L 0.35. Leg I: femur 0.185/0.06; patella 0.105/0.05. Leg IV: femur+patella 0.33/0.16; tibia 0.245/0.075; basitarsus 0.11/0.055; telotarsus 0.215/0.04.

Etymology: The species is named *dominicanus* after the Dominican Republic, where it is found.

References

- Harvey, M. S. 1991. Catalogue of the Pseudoscorpionida. Manchester University Press, Manchester, England.
- Hoff, C. C. 1949. The pseudoscorpions of Illinois. Bull. Illinois Nat. Hist. Survey 24: 407-498.
- Muchmore, W. B. 1973. New and little known pseudoscorpions, mainly from caves in Mexico (Arachnida, Pseudoscorpionida). Assoc. Mex. Cave Stud., Bull. 5: 47-62.



Figs. 1-3. *Mundochthonius dominicanus*, new species. 1. Coxal spines on coxae II. 2. Left palp, dorsal view. 3. Right chela, lateral view (darkened areoles are underneath).