

Centrurus gracilis, Karsch, Mittheil. Münch. ent. Ver. iii. p. 18 (1879)³; Kraepelin, Jahrb. Hamb. Wiss. Anst. viii. p. 131 (1891)⁴; Pocock, Journ. Linn. Soc., Zool. xxiv. pp. 385, 386 (1893)⁵; Kraepelin, Das Tierr., Scorpiones et Pedipalpi, p. 92 (1899)⁶.

Androctonus biaculeatus, Lucas, in Webb & Berthelot, Hist. Nat. Canar., Arachn. p. 45 (1835)⁷.

Scorpio (Atræus) biaculeatus, Gervais, Ins. Apt. iii. p. 54, t. 23. fig. 1 (1844)⁸; Arch. Mus. iii. p. 218 (1844)⁹; and in Castelnau's Expéd. dans l'Amér. du Sud, Myriapodes et Scorpiones, p. 43, t. 2. fig. 4 (1859)¹⁰.

Buthus biaculeatus, Wood, Journ. Acad. Nat. Sci. Philad. v. p. 366 (1863)¹¹ (part.).

Centrurus biaculeatus, Thorell, Atti Soc. Ital. xix. p. 166 (1877)¹².

Tityus mulatinus, C. Koch, Die Arachn. xi. p. 5, fig. 854 (1845)¹³.

Tityus congener, C. Koch, loc. cit. p. 19, fig. 860¹⁴.

Tityus nebulosus, C. Koch, loc. cit. p. 25, fig. 862¹⁵.

Scorpio (Atræus) sayi, Girard, in Marcy's Rep. Red River, p. 269 (1853)¹⁶.

Scorpio (Atræus) nigrifrons, Berthold, Nachr. Ges. Götting. 1846, p. 59¹⁷ (*teste* Kraepelin).

Centrurus heterurus, Karsch, Mittheil. Münch. ent. Ver. iii. p. 122 (1879)¹⁸.

♀. *Colour*: carapace and terga deep reddish-black or brown, sterna paler but clouded with rich brown; tail yellowish-brown, paler than the terga, darker posteriorly and beneath; legs ochre-yellow; chelæ rather darker than the legs, the hand redder than the brachium, fingers nearly black with yellow tips; chelicerae deep brown; coxæ, sternum, &c. pale. Upperside of *trunk* studded with coarse, shining, symmetrically arranged tubercles, an area extending obliquely forwards on each side of the median eyes and the interstices between the rows of coarse tubercles finely granular; anterior portion of terga finely and closely granular; carapace as long as the second caudal segment, a little shorter than the third or fourth, as long as brachium, rather longer than humerus. *Tail* about six and a half times as long as carapace, all the crests evenly granular, the interspaces at most very weakly granular; vesicle weakly granular below, slightly wider than high; subaculear spine well developed, triangular, its upper (anterior) edge lightly convex, the distance between it and the base of the aculeus exceeding the width of the base of the spine. *Sterna* shining, the second, third, and fourth coarsely punctured in the middle, the last very finely granular laterally, and furnished with four keels, the medians nearly smooth, anteriorly abbreviated, the laterals converging inwards posteriorly against the medians. *Chelæ* shagreened, the crests on humerus and brachium closely granular; hand with one complete weakly granular finger-keel, an incomplete keel close to it on the outer side; width of hand about one-third the length of the movable finger, and about two-thirds that of the underhand, which is almost half the length of the movable finger; the latter lobate at base, the immovable finger with corresponding shallow excavation, the movable with nine rows of teeth. *Pectinal teeth* 25-30.

♂. Smaller and slenderer than female. *Tail* much longer, about eight times as long as the carapace, which is scarcely as long as the first segment, and about three-quarters the length of the second; vesicle with nearly straight sides and shouldered at base of vesicle on each side, its posterior surface much less convex. *Chelæ* a little longer than in female, the carapace a little shorter than the humerus. *Pectinal teeth* 30-36.

Measurements in mm.—♀. Total length 102, carapace 9.5; tail 62, caudal segments 1+2 (second 9.5) 18.5, fifth 12. ♂. Total length 118, carapace 9.5; tail 78, caudal segments 1+2 (second 12.5) 24, fifth 15.

Hab. MEXICO, Lake of Chalco, Yucatan (*coll. Keyserling, in Mus. Brit.*), Atoyac in Vera Cruz, Teapa in Tabasco (*H. H. Smith*), Temax in N. Yucatan (*Gaumer*); BRITISH HONDURAS (*Indo-Colonial Exhib.*), Stain Creek (*Robertson*); GUATEMALA, Panzos (*Conradt*), Salinas de Nueve Cerros, Rio Negro (*Sarg*).—VENEZUELA, Caracas; ANTILLES, Cuba, Jamaica.

BIOL. CENTR.-AMER., Arachn. Scorp., October 1902.

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