

1 **Figures and captions**



2
3 **Figure 1.** Habitus of *Avima quadrata*, male (MNRJ 9453): A — panoramic view; B — dorsal
4 view; C — lateral view; D — anterior view; E — ventral view; F — detail of hooked anterior
5 tubercle of coxa I. Scale bars: A-C, E — 1 mm, D — 0.5 mm, F — 0.2 mm.

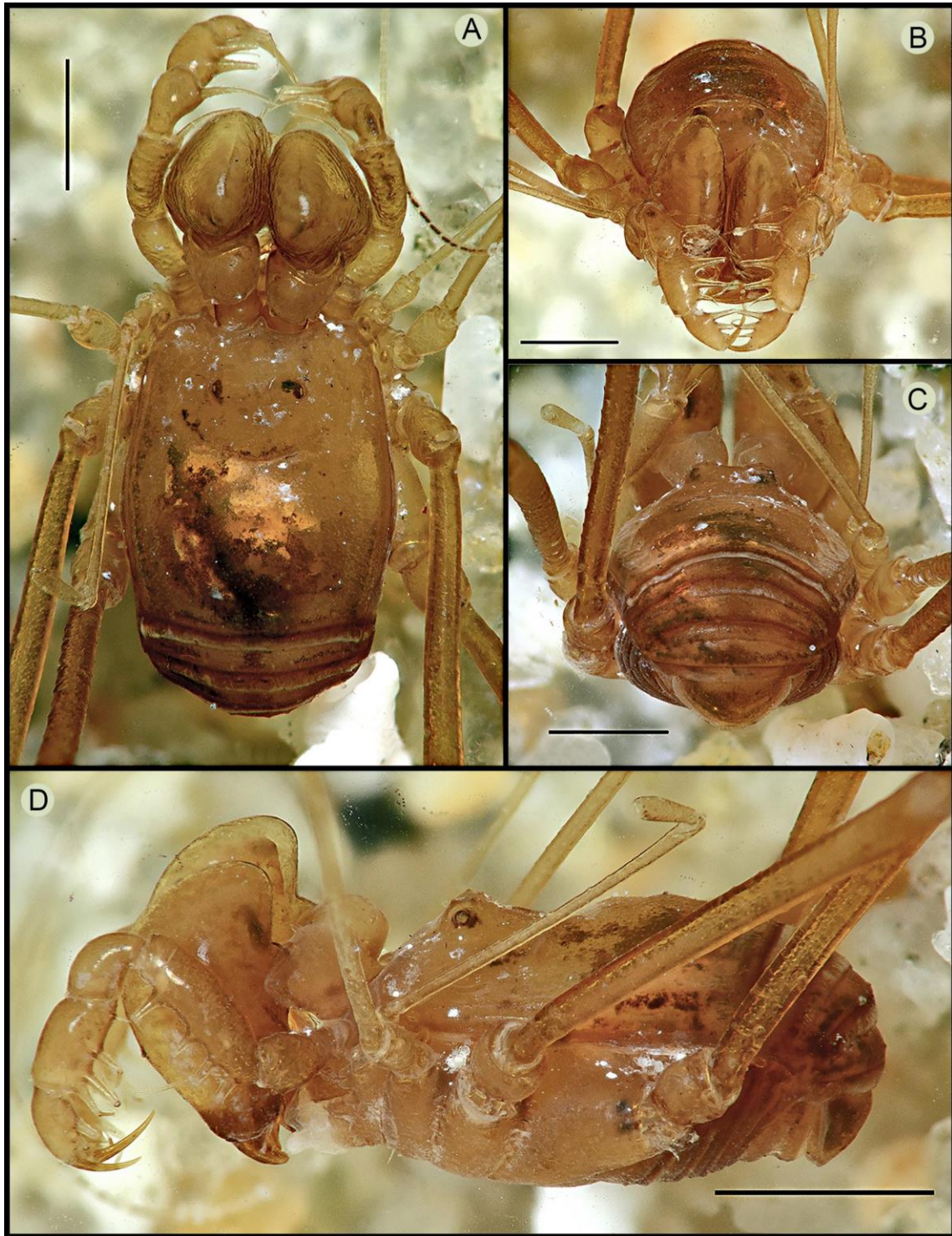
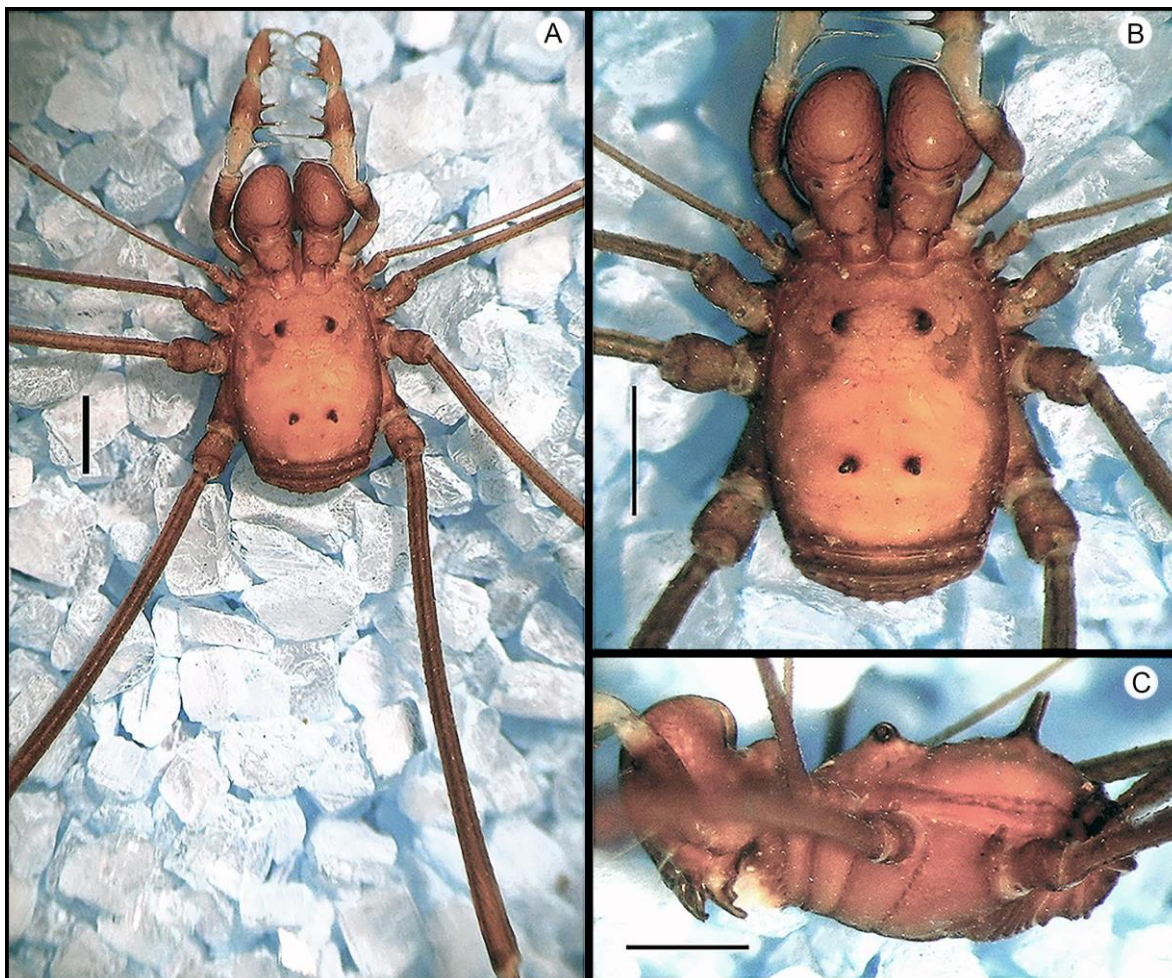


Figure 2. Habitus of *Avima nigromaculata*, male holotype (MAGS 1161a): A — dorsal view;
B — anterior view; C — posterior view; D — lateral view. Scale bars: 1 mm.



10

11 **Figure 3.** Habitus of *Ocoita tapipensis* González-Sponga, 1987, male (MAGS 728): A —
 12 panoramic view; B — dorsal view; C — lateral view. Scale bars: 1 mm.

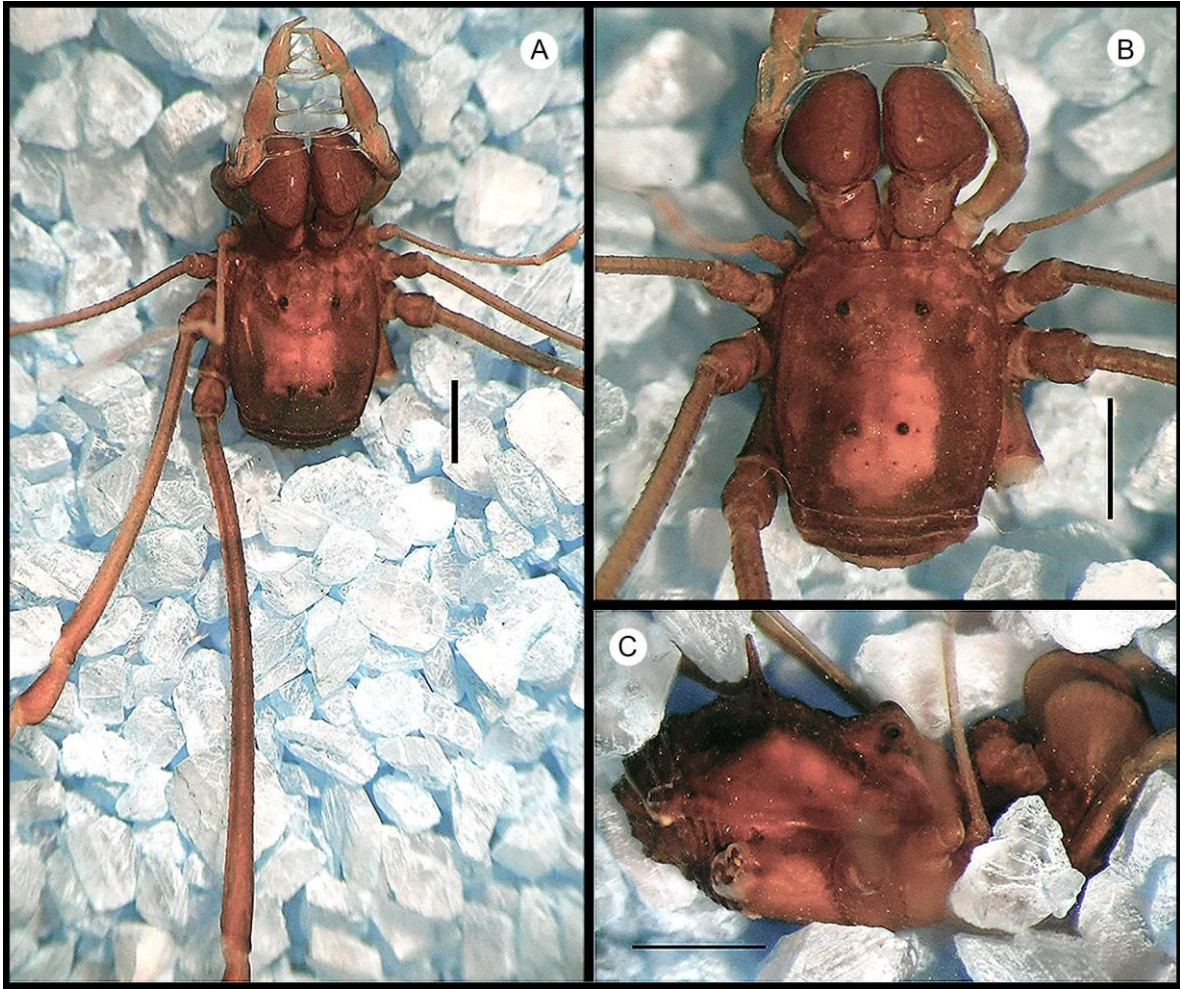


Figure 4. Habitus of *Ocoita servae* González-Sponga, 1987, male (MAGS 729): A — panoramic view; B — dorsal view; C — lateral view. Scale bars: 1 mm.

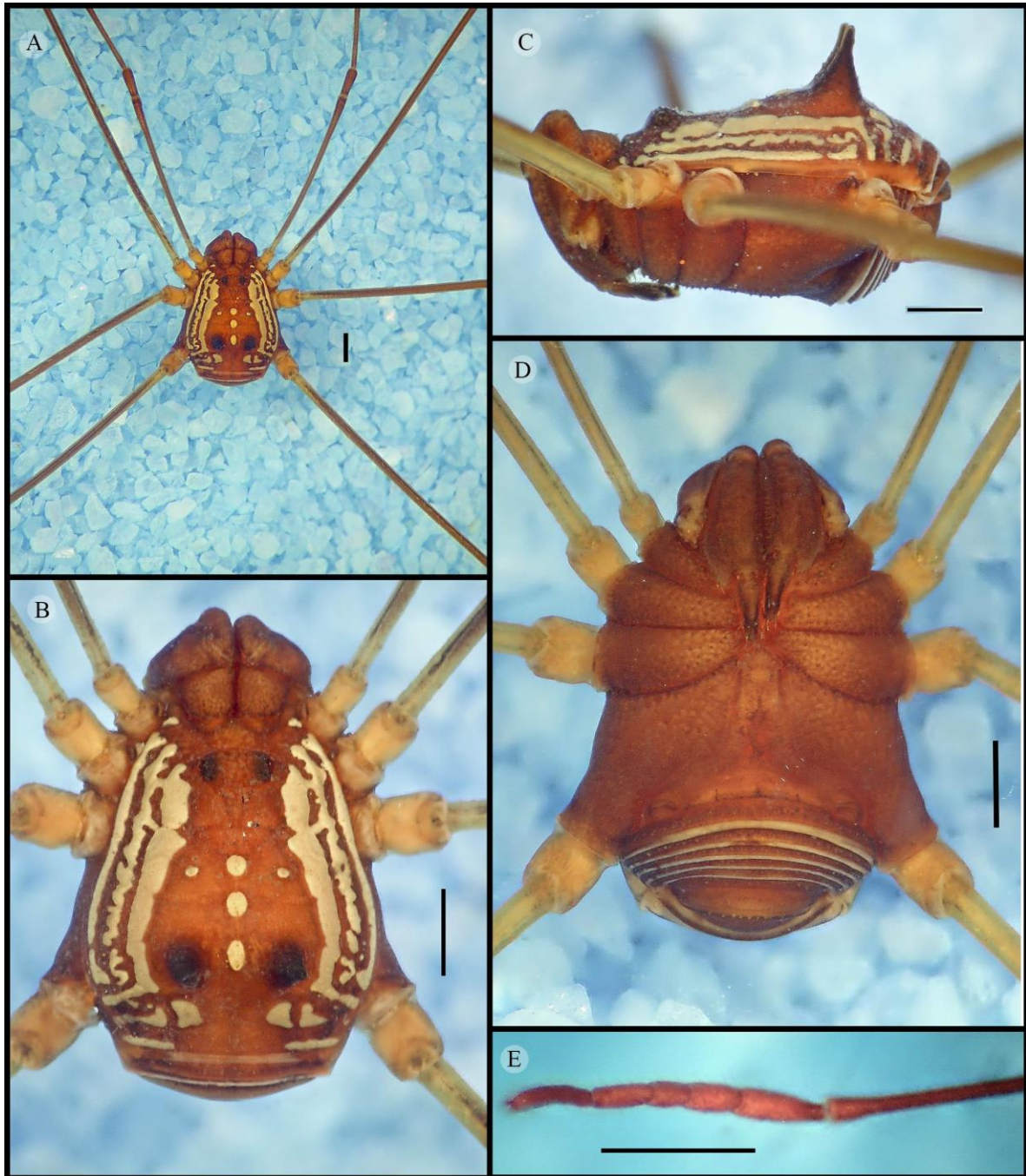


Figure 5. Habitus of *Paecilaema sexlineatum* Goodnight and Goodnight, 1942, male paratype (AMNH): A — panoramic view; B — dorsal view; C — lateral view; D — ventral view; E — detail of tarsomeres of leg I. Scale bars: 1 mm.

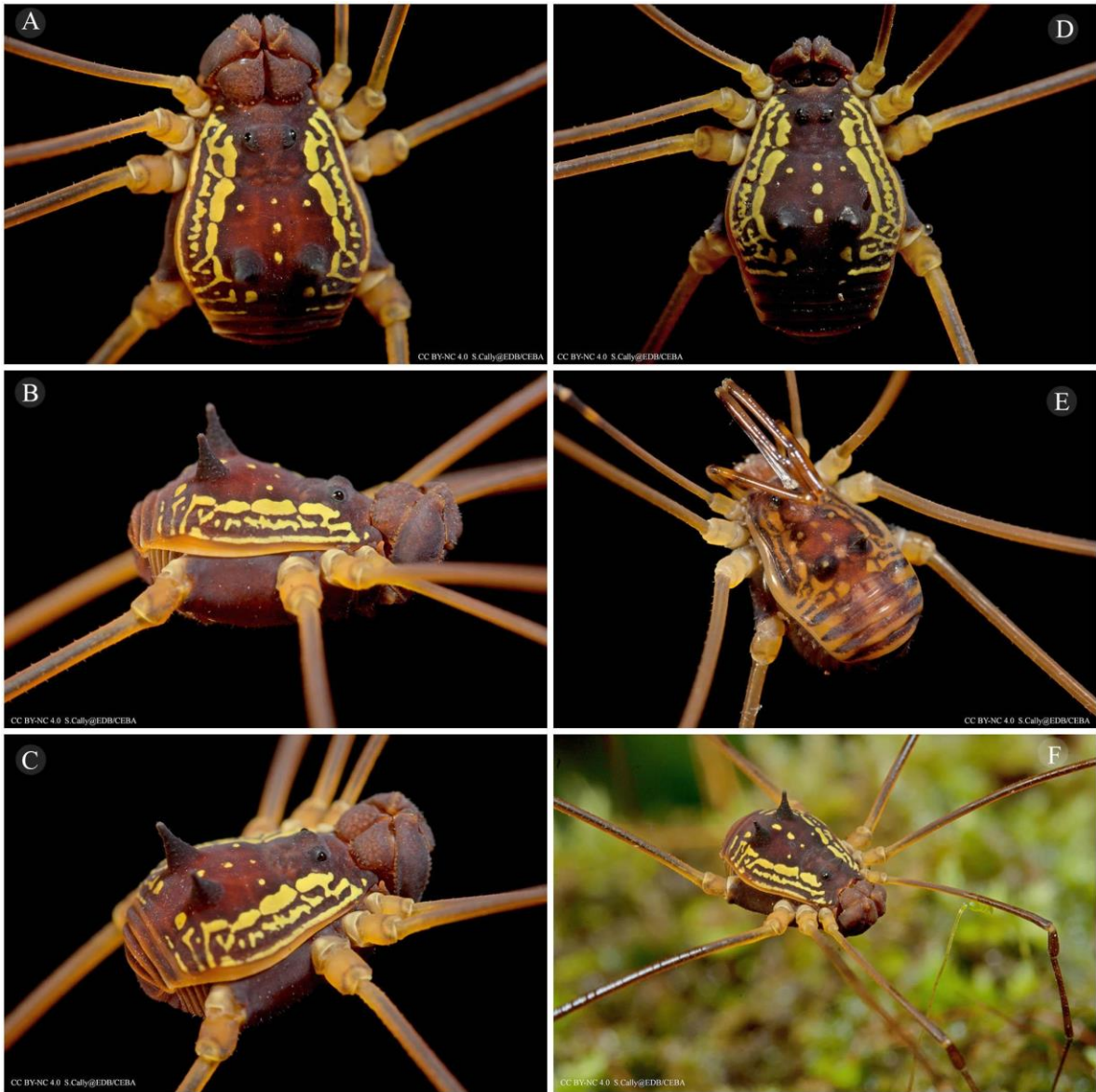
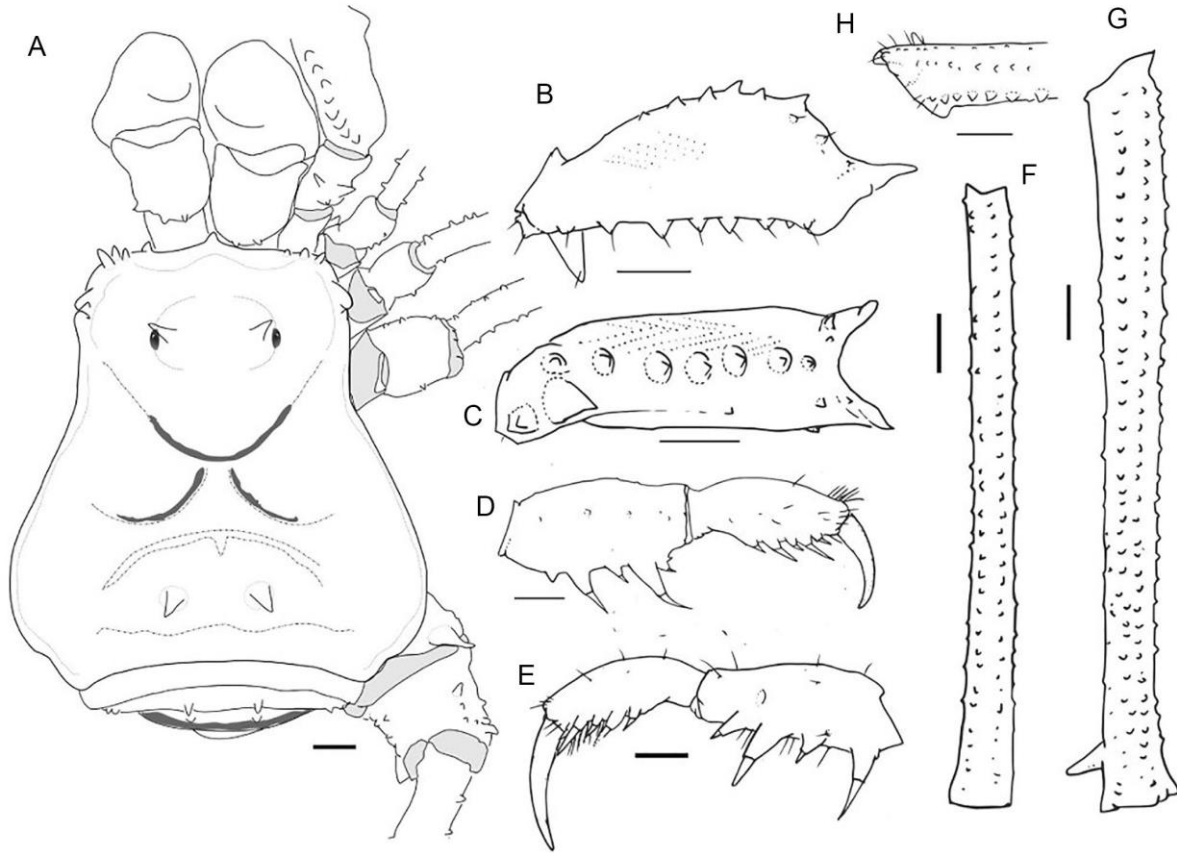
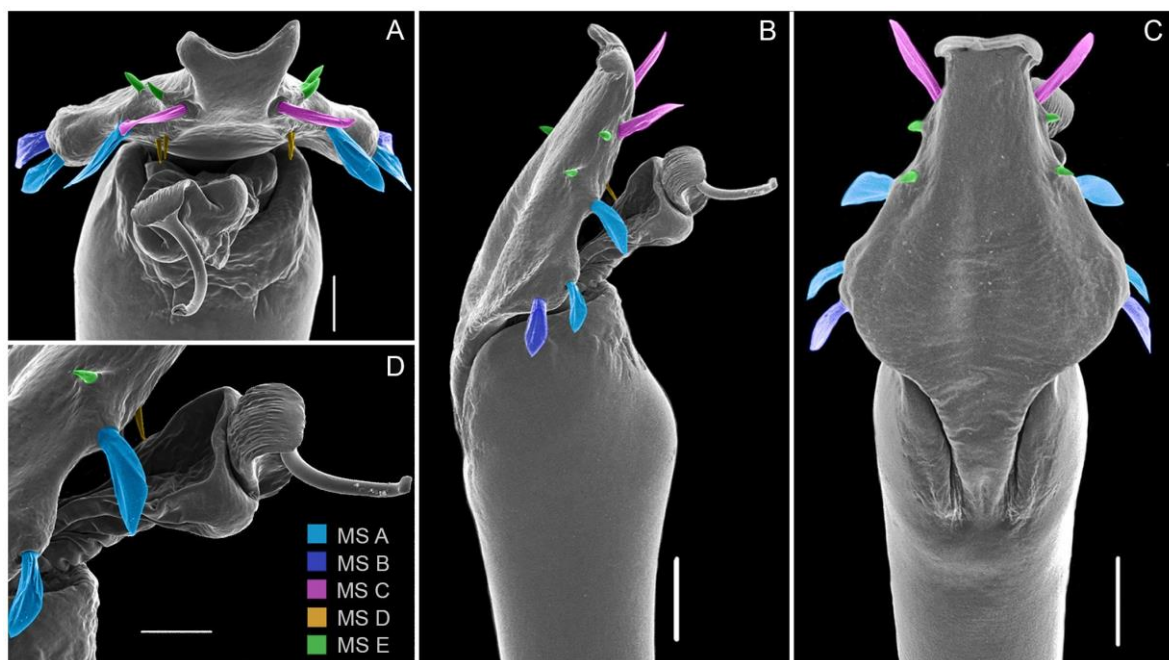


Figure 6. Habitus of living specimens of *Paecilaema sexlineatum* Goodnight and Goodnight, 1942 from Guyana: A — male, dorsal view; B — same, lateral view; C — same, dorsolateral, posterolateral view; D — female, dorsal view; E — juvenile, dorsolateral view; F — male, anterolateral view. Photographs courtesy of S bastien Cally.



26

27 **Figure 7.** *Phareicranaus albilineatus* (MNRJ 7916*) from Quebrada Camburales, Miranda:
 28 A — habitus, dorsal view; B — right pedipalpal femur, ectal view; C — same, ventral view;
 29 D — right pedipalpal tibia, tarsus and claw, dorsomesal view; E — same, ectal view; F —
 30 Tibia IV, dorsal view; G — femur IV, dorsal view; H — same, detail of the distal portion,
 31 prolateral view. Scale bars: 1 mm.



33

34 **Figure 8.** *Phareicranaus albilineatus*, from Quebrada Camburales, Miranda (C, D): A —
 35 dorsal view; B — lateral view; C — ventral view. MS = Macro Setae of the ventral plate.
 36 Scale bars: 100 μ m.

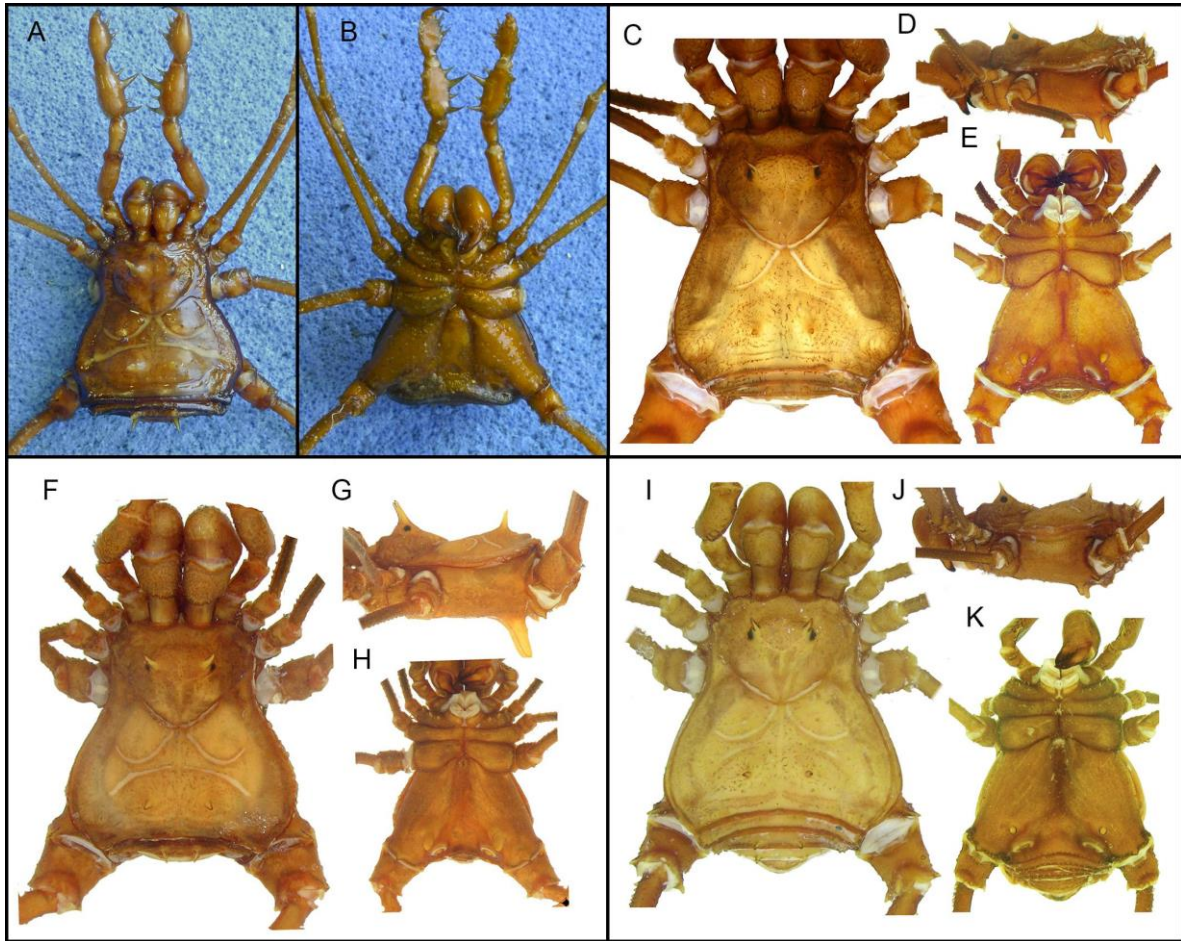


Figure 9. *Santinezia albilineata* (currently *Phareicranus albilineatus*), female holotype (ZMB 7468), habitus: A — dorsal view; B — ventral view; C, D, E — *Phareicranus albilineatus*, male from Tiara, Aragua (MNRJ 7116); F, G, H — *Phareicranus capayitaensis*, male holotype (MAGS 179a), Miranda, dorsal, lateral and ventral view; I, J, K — *Santinezia guaricoensis*, male holotype (MAGS 282a), from Guárico, dorsal, lateral and ventral view. Photographs A, B courtesy of Ricardo Pinto-da-Rocha.

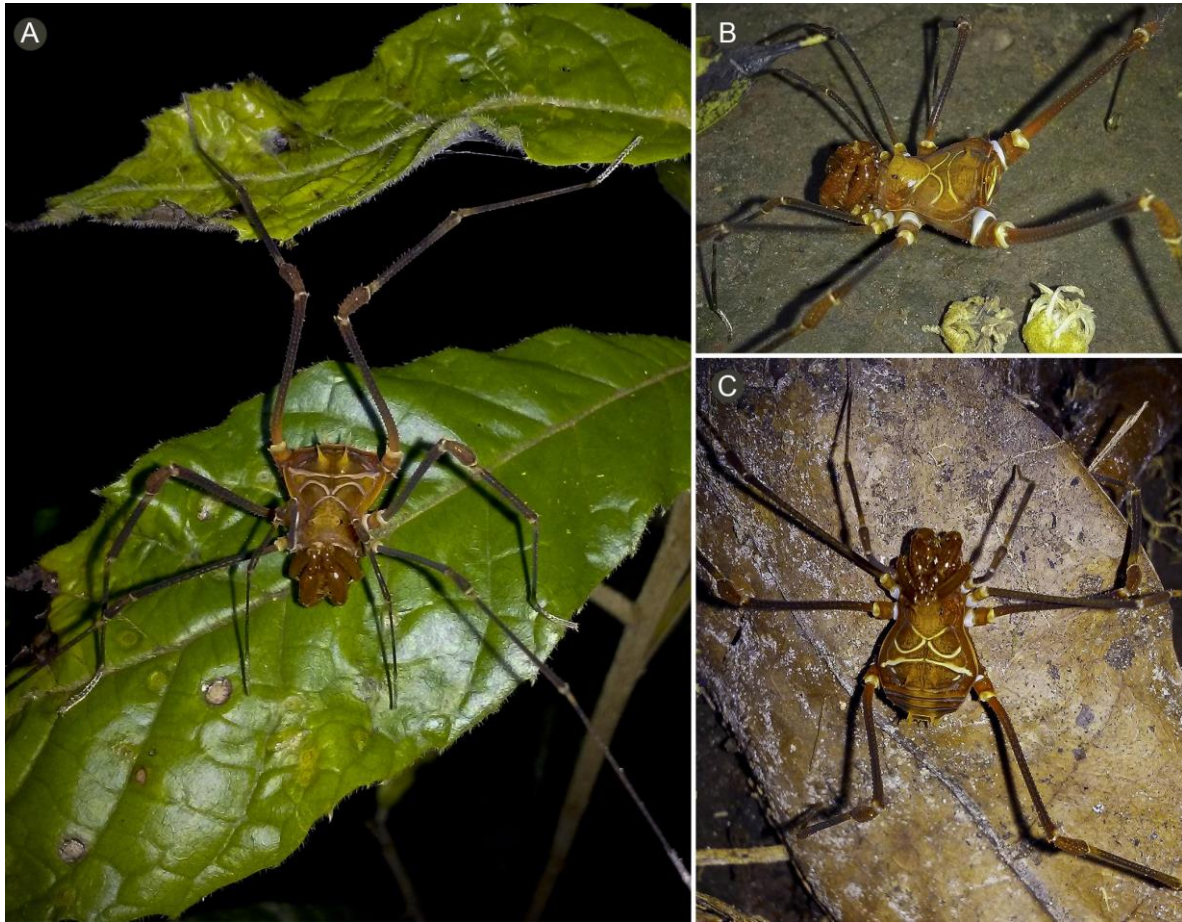
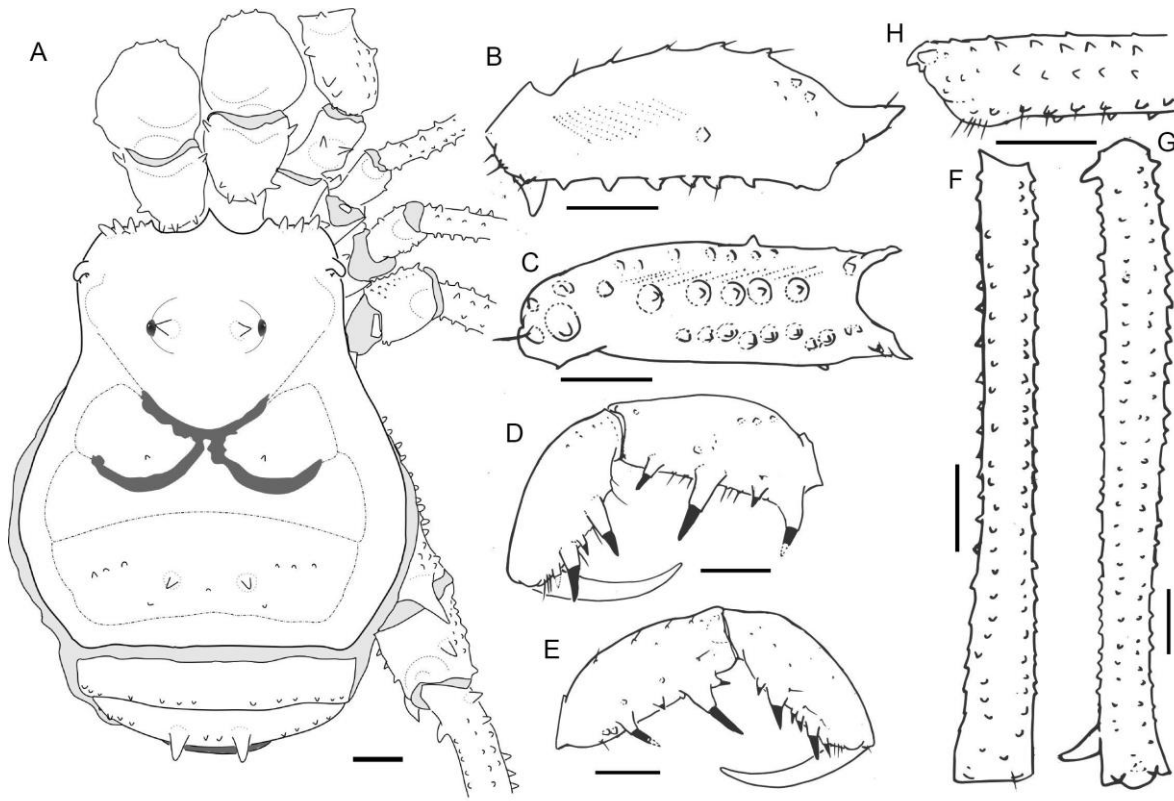


Figure 10. Living specimens of *Phareicranaus albilineatus* (Roewer, 1916) from Bosque de la Virgen, Jardines Topotepuy, Miranda: A, C — females; B — male. Photographs Osvaldo Villarreal.



49

50 **Figure 11.** *Phareicranaus curvipes* (MNRJ 18988*) from Rancho Grande, Aragua: A —
 51 habitus, dorsal view; B — right pedipal femur, ectal view; C — same, ventral view; D —
 52 right pedipalpal tibia, tarsus and claw, dorsomesal view; E — same, ectal view; F — Tibia
 53 IV, dorsal view; G — femur IV, dorsal view; H — same, detail of the distal portion, prolateral
 54 view. Scale bars: 1 mm.

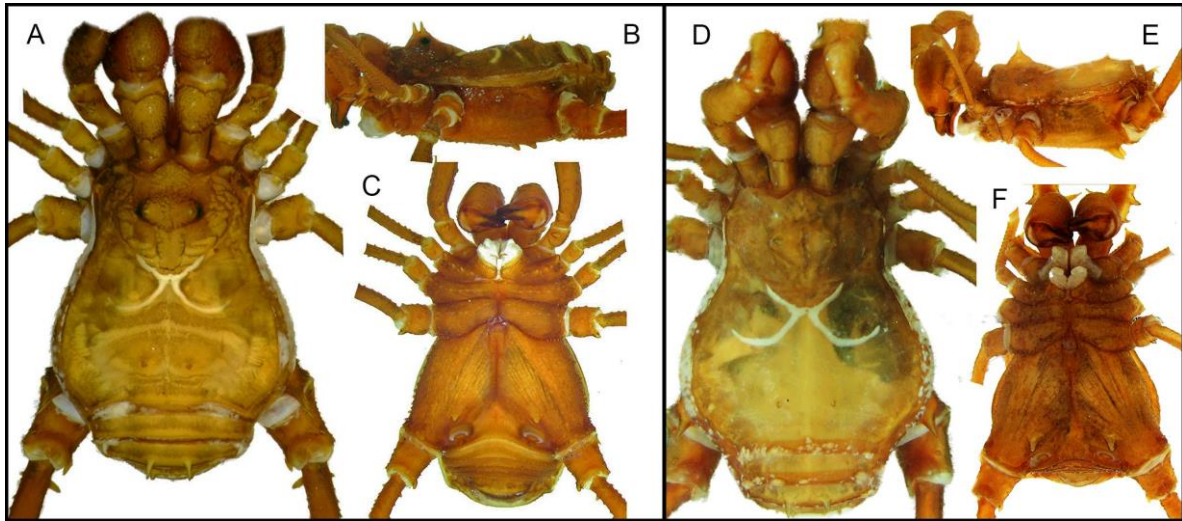
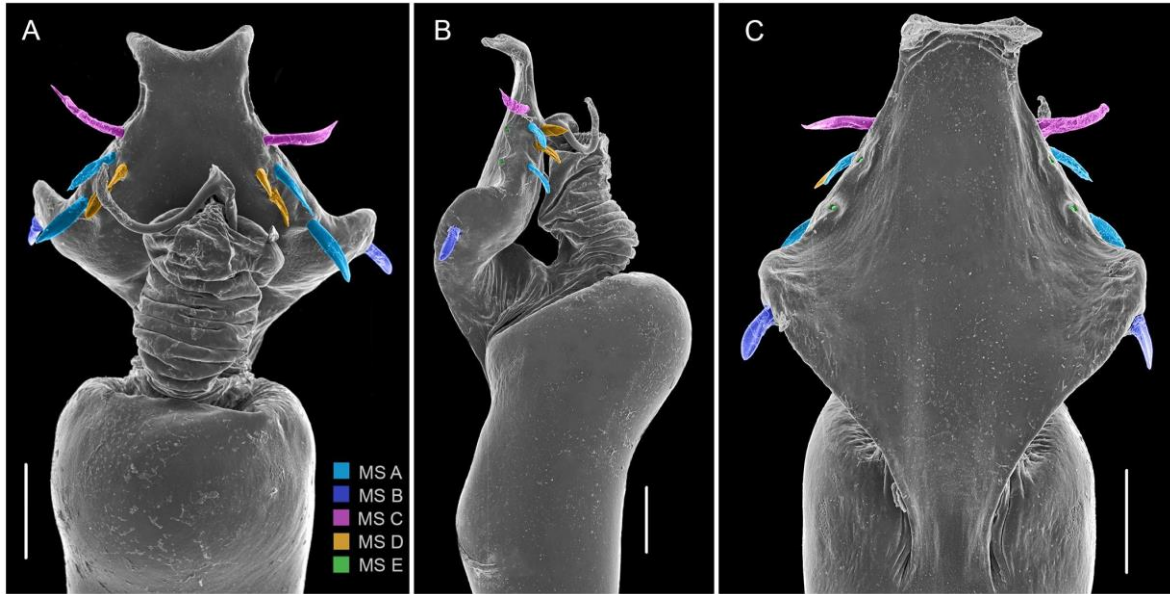


Figure 12. *Phareicranaus curvipes*, from Rancho Grande, Aragua (A-C) and *P. leonensis*, holotype MAGS-10a (D-F): A, D — dorsal view; B, E — lateral view; C, F — ventral view.



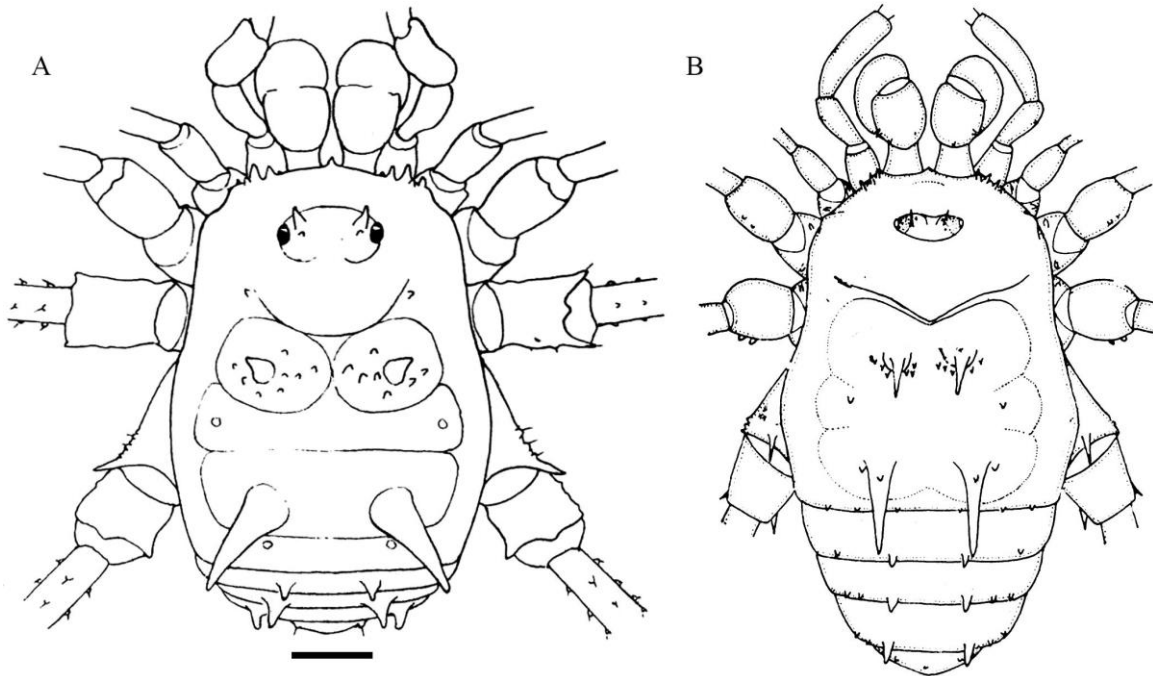
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59 **Figure 13.** *Phareicranaus curvipes*, from Rancho Grande, Aragua: A — dorsal view; B —
60 lateral view; C — ventral view. MS = Macro Setae of the ventral plate. Scale bars: 100 μm.



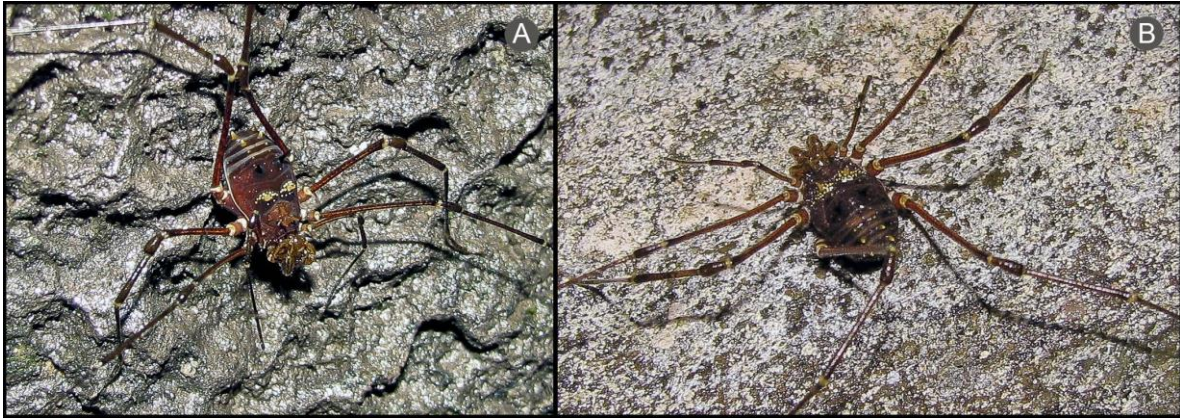
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62 **Figure 14.** Living specimens of *Phareicranaus curvipes* (Roewer, 1916) from P.N.H.P.,
 63 Aragua: A — male; B — female. Photographs Osvaldo Villarreal.



64

65 **Figure 15.** Illustrations from the original descriptions, habitus, dorsal view: A —
 66 *Rhopalocranaus bordoni* Šilhavý, 1979; B — *Medellinia bordoni* Soares and Avram, 1987.
 67 Scale bar: 1 mm. Drawings not to scale.



68

69 **Figure 16.** Living specimens of *Rhopalocranaus flaviaculeatus* (Caporiacco, 1951), females:
70 A — from Colonia Tovar, Aragua; B — from P.N. Henri Pittier, Aragua. Photographs
71 Osvaldo Villarreal.

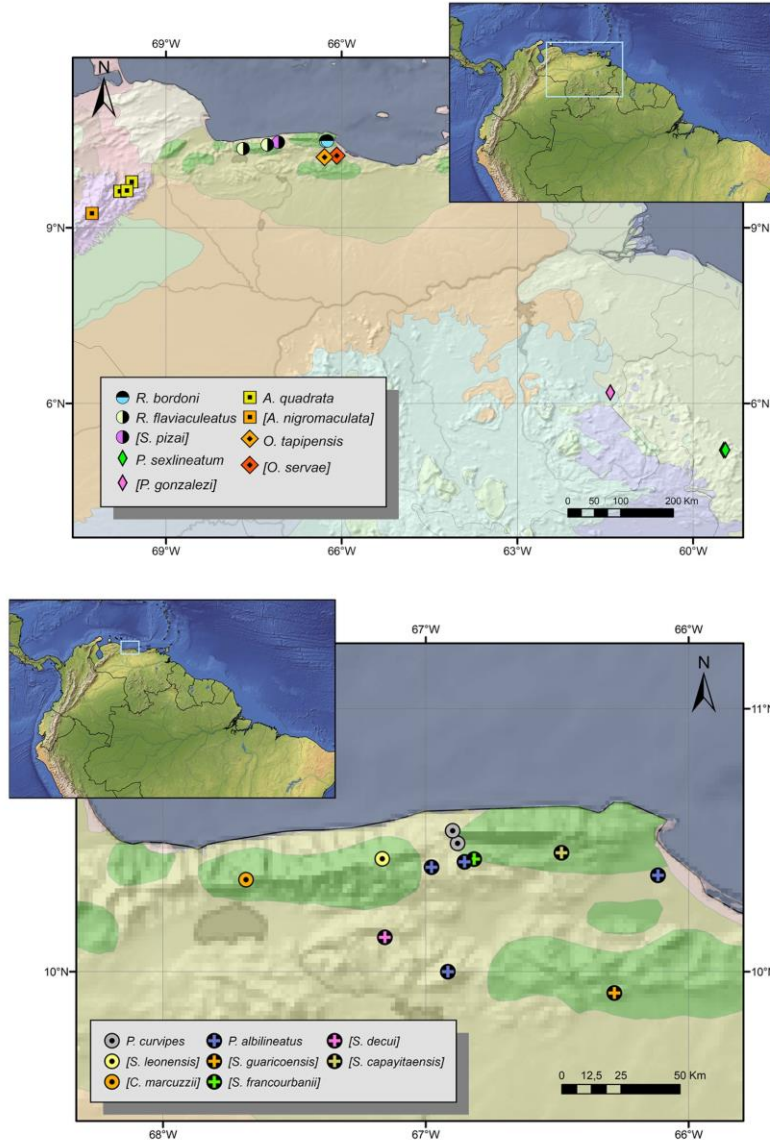


Figure 17. Distribution of relevant species in Venezuela and Guyana. A — *Avima quadrata*, *Ocoita tapipensis*, *Paecilaema sexlineatum* and *Rhopalocranaus bordoni*. B — *Phareicranaus albilineatus* and *P. curvipes*. Each species share the same symbols, but the points representing the holotypes of synonymized (invalid) species have different colors. In the legend, species names in square brackets indicate synonymized (invalid) species aiming to mark their type-localities. The senior synonyms are not enclosed in brackets. Shades in the background represent WWF ecoregions.



80

81 **Figure 18.** Habitats: A, B — *Phareicranus albilineatus*, panoramic and detail, Bosque de la
 82 Virgen, Miranda; C, D — *Phareicranus curvipes* and *Rhopalocranaus flaviaculeatus*,
 83 panoramic and detail, P.N. Henri Pittier, Aragua. Pictures: A, D — Villarreal, O.; B —
 84 Blanco-Dávila, A.; C — Ovalles, L.