

***Quantana filmeri* Huber, 2003**

Huber, B. A. 2003. Southern African pholcid spiders: revision and cladistic analysis of *Quantana* n. gen. and *Spermophora* Hentz (Araneae: Pholcidae), with notes on male-female covariation. Zool. J. Linn. Soc. 139: 477-527

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Figures 16–30. *Quantana* and *Spermophora* habitus, males in dorsal and lateral views. 16. *Q. tsui*. 17. *Q. merwei*. 18. *Q. bonamanzi*. 19. *Q. embuleni*. 20. *Q. filmeri*. 21. *Q. knysna*. 22. *Q. kabale*. 23. *Q. oku*. 24. *Q. kitahurira*. 25. *Q. biena*. 26. *S. schoemanae*. 27. *S. gordimerae*. 28. *S. pembai*. 29. *S. peninsulae*. 30. *S. suurbraak*.

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Figures 31–50. *Quantana* and *Spermophora*, female opisthosomata, ventral views with epigynum. 31. *Q. entabeni*. 32. *Q. mbaba*. 33. *Q. umzinto*. 34. *Q. meyeri*. 35. *Q. nylsvley*. 36. *Q. molimo*. 37. *Q. leptopholcica*. 38. *Q. hectori*. 39. *Q. mabusai*. 40. *Q. nandi*. 41. *Q. merwei*. 42. *Q. bonamanzi*. 43. *Q. embuleni*. 44. *Q. filmeri*. 45. *Q. kabale*. 46. *Q. oku*. 47. *Q. biena*. 48. *S. schoemanae*. 49. *S. gordimerae*. 50. *S. peninsulae*.

QUAMTANA FILMERI SP. NOV.

(FIGS 20, 44, 183–188)

Type. Male holotype from Ficksburg (~28°50'S, 27°45'E), Free State, South Africa; March 3, 1989

(M. Filmer); in webs in old garage, in NCP (89/585).

Etymology. Named after the collector Martin R. Filmer.

Diagnosis. Large eight-eyed species with globular to oval opisthosoma; distinguished from similar congeners by the shapes of procurus and bulbal apophyses (Figs 183, 184); also by the pattern on the carapace (Fig. 20).

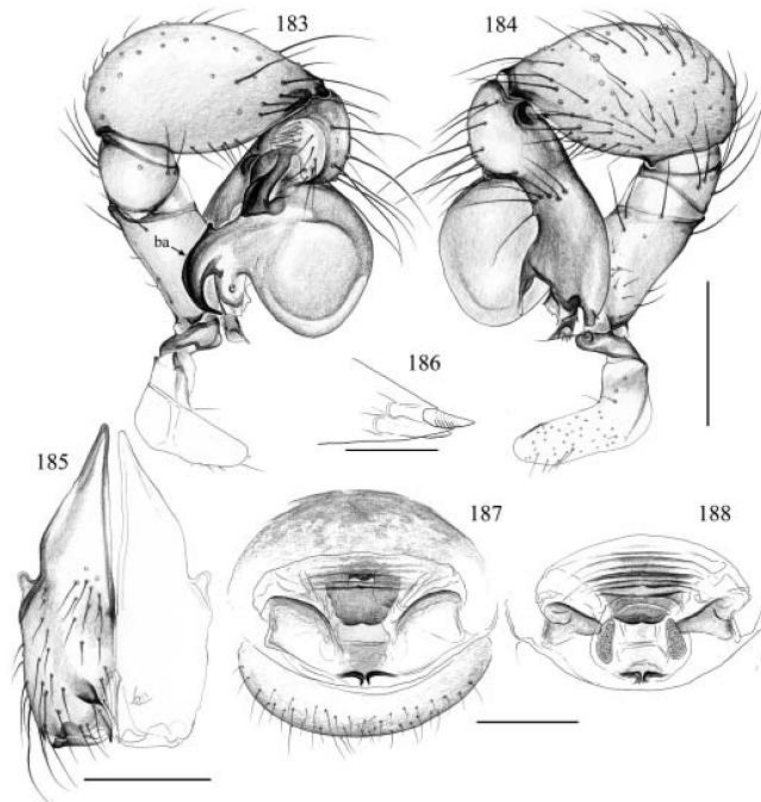
Male (holotype). Total length 3.0 (3.2 with clypeus), carapace width 1.15. Leg 1: 23.9 (6.1 + 0.5 + 6.3 + 9.1 + 1.9), tibia 2: 4.0, tibia 3: 2.7, tibia 4: 4.0; tibia 1 L/d: 59. Habitus as in Figure 20. Prosoma orange-ochre with distinctive, light brown pattern; clypeus also with brown marks; sternum with three pairs of brown dots at bases of coxae 2–4; legs orange-ochre with brown rings on femora (subdistally) and tibiae (proximally and subdistally); opisthosoma grey with many spots except ventrally. Ocular area slightly elevated; distance PME–PME 115 µm; diameter PME 100 µm; diameter AME 65 µm. Clypeus unmodified. Sternum

wider than long (0.85/0.60). Chelicerae as in Figure 185, with pair of modified hairs on apophyses (Fig. 186), tips 65 µm apart. Palps as in Figures 183, 184; retrolateral trochanter apophysis short but distinct in dorsal view; procurus complex distally, apparently with hinged structure prolaterally; bulb with curved apophysis and short membranous embolus (Fig. 183). Retrolateral trichobothrium of tibia 1 at 17%; tarsus 1 with >20 pseudosegments, about 15 distally very distinct.

Variation. Tibia 1 in four other males: 6.4, 6.8, 7.9, 8.8. Pattern on sternum quite variable (in contrast to pattern on carapace).

Female. In general similar to male. Tibia 1 in two females: 6.0, 6.8. Epigynum as in Figures 44, 187, with pair of pockets 35 µm apart. Dorsal view as in Figure 188. External appearance of epigynum varies considerably, apparently due to differences in sclerotization and coloration.

Distribution. Known from three localities in Free State and KwaZulu-Natal, South Africa (Fig. 263).



Figures 183–188. *Quamtana filmeri* sp. nov. Left male palp in prolateral (183) and retrolateral (184) views, male chelicerae in frontal view (185), modified hairs on male chelicer apophysis (186), and cleared epigynum in ventral (187) and dorsal (188) views. ba: bulbal apophysis, e: embolus. Scale bars = 50 μ m (186), 0.3 mm (185, 187, 188), 0.5 mm (183, 184).

Material examined. SOUTH AFRICA: FREE STATE: Ficksburg: type above, together with 1♀ (NCP 89/585); Ficksburg, 'pool filter room', August 1988 (M. v. Gelder), 1♂ (NCP 90/200). KWAZULU-NATAL: Natal National Park (~28°40'S, 28°50'E), under stones, April 4, 1972 (Sheasby), 1♂ 1♀ (NCP 77/899); Natal Champagne Nature Reserve near Estcourt (~29°00'S, 29°45'E), January 12, 1991 (V. D. & B. Roth), 2♂ 3♀ (CAS).

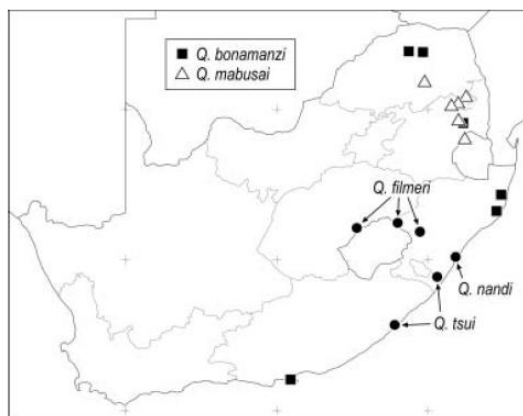


Figure 263. Known distribution of *Quamtana* gen. nov. within South Africa (contd.).