

# *Bianor* Peckham & Peckham, 1886

## Taxonomy

*Bianor* is a cosmopolitan genus with two Australian species: *Bianor maculatus* and a very poorly-known (doubtful) second species: *Bianor concolor*. The genus is related to *Harmochirus*, which also has a species whose range extends to Australia (Maddison 2015). Further information on the genus and described species can be found in Richardson and Żabka (2017) and Whyte and Anderson (2017).

## Description

In Australia, *Bianor* spp. are small spiders with a body length around 3 mm. The head, viewed from above, is rounded, widest behind the posterior lateral eyes. The posterior lateral eyes overlap the edges of the cephalothorax. The abdomen is round to ovate and can be much wider than the cephalothorax. The head is mostly dark brown or black, the upper abdomen of the female with various light-coloured to white splotches, chevrons and blobs, the male having golden blotches. The chelicerae each have a single retromarginal tooth (unident) with two teeth on the promargin. The first pair of legs is only slightly longer and stronger than the remaining legs. The male has enlarged femurs on the first pair of legs (shiny underneath) and sparse to thick white facial hair.

The male's palp is compact, with the embolus arising as a wide duct at about 8 o'clock on the face of the tegulum, proceeding up and clockwise around the simple, rounded tegulum, eventually moving to the outside of the tegulum and ending in a very slender, finely tapered point distally. The simple, sharp retro-lateral tibial apophysis is short.

The female's epigyne has the appearance of a raised, central hood in the anterior part, with atria either side. The copulatory openings are at the rear of the atria beneath well sclerotised guides. Large, convoluted, spermathecal ducts and chambers can be seen laterally well past the atria.

## Biology

*Bianor* has been found from desert to woodland living on the ground, on grass, on tree trunks, on other surfaces and on foliage. It is also found around houses and is common on railings and fences. *Bianor* is common in cotton crops across Australia.

## Distribution

*Bianor* has been collected across mainland Australia but not in Tasmania. The genus is also found in Afrotropical, Neotropical, Palearctic, Oriental, and Pacific Regions.

## References

Berry, J.W., Beatty, J.A. & Prószyński, J. 1996. Salticidae of the Pacific Islands. I. Distribution of twelve genera, with descriptions of eighteen new species. *Journal of Arachnology* 24, 214-253.

Davies, V.T. & Żabka, M. 1989. Illustrated keys to the genera of jumping spiders (Araneae: Salticidae) in Australia. *Memoirs of the Queensland Museum* 27, 189-266.

Logunov, D.V. 2000. A redefinition of the genera *Bianor* Peckham & Peckham, 1885 and *Harmochirus* Simon, 1885, with the establishment of a new genus *Sibianor* gen. n. (Aranei: Salticidae). *Arthropoda Selecta* 9, 221-286.

Maddison, W.P. 2015. A phylogenetic classification of jumping spiders (Araneae: Salticidae). *Journal of Arachnology* 43, 231-292.

Richardson, B.J. & Żabka, M. 2017. Salticidae. Arachnida: Araneomorphae. Canberra, Australian Faunal Directory. Australian Biological Resources Study, at <https://biodiversity.org.au/afd/taxa/SALTICIDAE>.

Whyte, R. and Anderson, G. 2017. *A Field Guide to Spiders of Australia*. CSIRO Publishing: Clayton.

Żabka, M. 1985. Systematic and zoogeographic study on the family Salticidae (Araneae) from Viet-Nam. *Annales Zoologici, Warszawa* 39, 197-485.

\* The information sheet should be interpreted in the context of the associated diagrams and photographs. Diagrams explaining anatomical terms can be found in the 'Salticidae' pictures at the beginning of the list of genera.

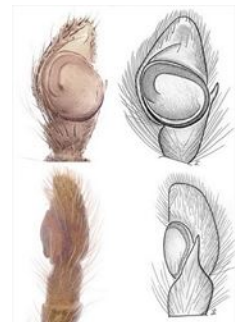


Examples of live *Bianor*  
Illustrator (and ©) R. Whyte



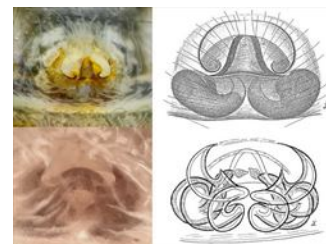
Aspects of the general morphology of female (TL, ML) and male (BL) specimens of *Bianor*

Illustrators (and ©) B.J. Richardson (CSIRO), M. Żabka (diag.) (QMB)



Palp morphology of *Bianor*

Illustrators (and ©) B.J. Richardson (CSIRO), M. Żabka (diag.) (QMB)



Epigyne morphology of *Bianor*

Illustrators (and ©) R. Whyte (TL), B.J. Richardson (BL) & M. Żabka (diag.) (QMB)

