



PHYLOGENETIC TREATMENT AND TAXONOMIC REVISION OF THE TRAPDOOR SPIDER GENUS *APTOSTICHUS* SIMON (ARANEAE, MYGALOMORPHAE, EUCTENIZIDAE)

BY JASON E. BOND

*Aptostichus atomarius* Simon, 1891
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The Californian Floristic Province, located on the Pacific Coast of North America, is a region recognized as a “biodiversity hotspot”. The area’s rich floristic diversity is also reflected in its remarkable diversity of mygalomorph spiders – the group that includes trapdoor spiders, tarantulas, funnel spiders, and their other close relatives. This monograph documents the species diversity currently attributed to the euctenizid genus *Aptostichus* Simon distributed primarily throughout California, but also found in the habitats of Arizona and Nevada. Based on the examination of approximately 2000 specimens from museum and field collections, 40 species are assessed, 33 of which are new to science – *A. dantrippi*, *A. cabrillo*, *A. pennjillettei*, *A. asmodaenus*, *A. nateevansi*, *A. chiricahua*, *A. icenoglei*, *A. isabella*, *A. muiri*, *A. barackobamai*, *A. sinnombre*, *A. hedinorum*, *A. aguacaliente*, *A. chemehuevi*, *A. sarlacc*, *A. derhamgiulianii*, *A. anzaborrego*, *A. serrano*, *A. mikeradtkei*, *A. edwardabbeyi*, *A. killerdana*, *A. cabuilla*, *A. satleri*, *A. elisabethae*, *A. fornax*, *A. lucerne*, *A. fisheri*, *A. bonoi*, *A. cajalco*, *A. sierra*, *A. huntington*, *A. dorothealangeae*, and *A. chavezi*.


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