

Changes from the WA Museum Checklist 2017 (updated April 2018)

Reptiles and Frogs

New species from the *Gehyra nana* complex. A taxonomic revision followed a genetic assessment of this difficult group of *Gehyra* from the Kimberley and Top End of the Northern Territory. Three new species are described from the Kimberley region (*G. granulum*, *G. pluraporosa*, *G. pseudopunctata*), plus one species (*G. paranana*) from the western Top End. The four new species are distinctive morphologically (albeit subtly different) and occur sympatrically with true *G. nana*.

Doughty, P., Bourke, G., Tedeschi, I.G., Pratt, R.C., Oliver, P.M., Palmer, R.A. & Moritz, C. (2018). Species delimitation in the *Gehyra nana* (Squamata: Gekkonidae) complex: cryptic and divergent morphological evolution in the Australian Monsoonal Tropics, with the description of four new species. *Zootaxa* **4403**: 201–244.

Moritz, C., Pratt, R.C., Bank, S., Bourke, G., Bragg, J.G., Doughty, P., Keogh, J.S., Laver, R.J., Potter, S., Teasdale, L.C., Tedeschi, L.G. and Oliver, P.M. (2018). Cryptic lineage diversity, body size divergence and sympatry in a species complex of Australian lizards (*Gehyra*). *Evolution* **72**: 54–66.

New species of *Eremiascincus* from the Pilbara. *Eremiascincus rubiginosus* (or rusty skinks) was described in the journal *Vertebrate Zoology*. The new species is unlike any other *Eremiascincus* owing to its reddish colouration and saxicoline habits, including modifications to the surfaces of the hands and feet.

Mecke, S. & Doughty, P. (2018). A new species of *Eremiascincus* (Squamata: Sauria: Scincidae) from the Pilbara region of Western Australia. *Vertebrate Zoology* **68**: 27–37.

Birds

Birds – State. Added – Buller's Albatross *Thalassarche bulleri* from photographic records at Albany, February 2017.

Birds – Christmas and Cocos (Keeling) islands. Added – Silver-backed Needletail *Hirundapus cochinchinensis* from photographic records at Cocos (Keeling) Islands. Corrected – spelling errors of *Agropsar* and *dendronanthus* entries.

Mammals

New species name for the extinct Nullarbor bandicoot and revision of the Western Barred Bandicoot and Southern Brown Bandicoot

A total evidence analysis (using genetic and morphological data) has found several new taxa within the order Peramelemorphia. The Quenda (*Isoodon obesulus fusciventer*), previously a subspecies of the Southern Brown Bandicoot (*Isoodon obesulus*), has been elevated to species level (*Isoodon fusciventer*). The Western Barred Bandicoot (*Perameles bougainville*) was revealed to be a complex of five species, including a new species from the Nullarbor (*Perameles papillon*), and resurrecting three old names, *P. myosuroides* from South West WA, *P. notina* from South Australia and Victoria, and *P. fasciata* from New South Wales.

Travouillon, K.J. and M.J. Phillips (2018). Total evidence analysis of the phylogenetic relationships of bandicoots and bilbies (Marsupialia: Peramelemorphia): reassessment of two species and description of a new species. *Zootaxa* **4378**: 224–256.