

The Species of *Pleuroxus* and of Three Related Genera (Anomopoda, Chydoridae) in Southern Australia and New Zealand

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ABSTRACT. Two new chydorid cladoceran genera, *Planicirclus* (n.gen.) with one species *Planicirclus alticarinatus* (n.sp.), and *Plurispina* (n. gen.) with two species, *Plurispina chauliodus* (n.sp.) and *P. multituberculata* (n.sp.), are described from south-western Australia. The status of the chydorid genus *Pleuroxus* in southern Australia and New Zealand is reviewed, with two new species described: *Pleuroxus foveatus* (n.sp.) from south-western Australia, and *P. helvenacus* (n.sp.) from New Zealand. The European species *Pleuroxus aduncus* (Jurine), previously identified from the region, is described, and shown definitely not to occur there. *Pleuroxus hastirostris* Sars and *P. inermis* Sars are redescribed, as is *Archepleuroxus baylyi* Smirnov & Timms. Four other species of *Pleuroxus* described from southern Australia are considered *nomina dubia*. All eight recognised taxa appear to be endemic to the region. Marked differences between the *Pleuroxus* fauna of eastern and western Australia provide evidence for adaptive radiation. It is likely that a comparable high degree of endemism will be found in other chydorid groups.

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