

The Amphipoda (Crustacea) of Madang Lagoon: Aoridae, Isaeidae, Ischyroceridae and Neomegamphopidae *

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ABSTRACT. In this first comprehensive study of corophioid amphipods from the north coast of Papua New Guinea 38 species in 20 genera and four families are reported. In the Aoridae ten species in four genera are recorded, of which three, *Aoroides vitiosus* n.sp., *Bemlos pugiosus* n.sp. and *Grandidierella nagadae* n.sp. are new to science. In the Isaeidae 20 species in nine genera are recorded. Four genera, *Falcigammaropsis* n.gen., *Gammaropsella* n.gen., *Papuaphotis* n.gen. and *Paraloiloi* n.gen. and thirteen species, *Cheiriphotis pediformis* n.sp., *Chevalia pacifica* n.sp., *Falcigammaropsis excavata* n.sp., *Gammaropsella simplex* n.sp., *G. pilosa* n.sp., *Gammaropsis christenseni* n.sp., *G. gemina* n.sp., *G. lacinia* n.sp., *G. planodentata* n.sp., *G. siara* n.sp., *Papuaphotis regis* n.sp., *Paraloiloi vaga* n.sp. and *Photis paeowai* n.sp. are new to science. Six genera and seven species of Ischyroceridae are recorded. Of which, one genus, *Scutischyrocerus* n.gen. and three species, *Ischyrocerus parma* n.sp., *I. mediodens* n.sp. and *Scutischyrocerus scutatus* n.sp., are new to science. One species, *Parajassa spinipalma* Ledoyer, 1979b, is recorded for the first time from the western Pacific. A new genus and species of the family Neomegamphopidae, *Riwomegamphopus bamus* n.gen. and n.sp., is described.

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