

**The Genera *Catoessa*, *Elthusa*, *Enispa*,
Ichthyoxenus, *Idusa*, *Livoneca* and *Norileca* n.gen.
(Isopoda, Cymothoidae), Crustacean Parasites of
Marine Fishes, with Descriptions of Eastern
Australian Species**

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ABSTRACT. The following genera of Cymothoidae are recorded from Australia: *Catoessa* Schiödte & Meinert, *Elthusa* Schiödte & Meinert, *Enispa* Schiödte & Meinert, *Ichthyoxenus* Herklots, *Livoneca* Leach and *Norileca* n.gen. Full diagnoses are given for *Enispa*, *Livoneca* and *Norileca* n.gen. For the remaining genera provisional diagnoses are given. *Idusa* Schiödte & Meinert is rediagnosed to allow separation from *Catoessa*. All the species described herein would have previously been placed in *Livoneca*. Examination of the type material of *L. redmanii* shows that all other species placed in the genus, except for *L. bowmani* Brusca, are not congeners, and are reassigned, where possible, to other genera. The genus *Livoneca* is found to belong to the Anilocrinae, and is most closely related to the *Nerocila* group of genera. The principal characters used in redefining these genera and assigning *Livoneca* and *Norileca* to the Anilocrinae are the morphology of the brood pouch, pleopods, pleon and cephalon. The species described are *Catoessa ambassae* n.sp., *Elthusa myripristae* n.sp., *E. neocytt* (Avdeev), *E. propinqua* (Richardson), *E. raynaudii* (Milne-Edwards), *E. sacciger* (Richardson), *E. sigani* n.sp., *E. turgidula* (Hale), *Enispa irregularis* (Bleeker), *Ichthyoxenus minabensis* (Shiino), *Norileca indica* (Milne-Edwards) and *Norileca triangulata* (Richardson). Discussion is given of the genera treated and the problems present in attempting to diagnose subfamilies within the Cymothoidae. Keys are given to the Australian gill attaching genera and the Australian species of the genera *Elthusa* and *Norileca*.

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