

KEY TO GENERA OF FAMILY ASTACILLIDAE (ARCTURIDAE)

- 1. Antenna 2, flagellum of 2 or 3 short segments with claw at end 2
 Antenna 2, flagellum long, of considerably more than 3 segments, lacks claw at end *Antarcturus*
- 2. Antenna 2, flagellum of 2 segments; male 1st pleopod has secondary lobe on inside of outer branch; 1st leg has claw at end of 7th segment *Pseudarcturella*
 (one species, *P. chiltoni*)
- Antenna 2, flagellum of 3 segments; male 1st pleopod lacks secondary lobe on inside of outer branch *Astacilla*

KEY TO NEW ZEALAND SPECIES OF ASTACILLA

- 1. Body smooth 2
 Body tuberculate or spined 3
- 2. Uropod secondary (smaller) ramus has 1 long apical seta *Astacilla falclandica*
 Uropod secondary ramus has 3 long apical setae *Astacilla levis*
- 3. Tubercles on 4th segment of body at both ends of segment, absent from middle *Astacilla tuberculata*
 Tubercles on 4th segment of body in middle of segment and posteriorly, not anteriorly *Astacilla fusiformis*

KEY TO N.Z. SPECIES OF ANTARCTURUS

- 1. Eyes entirely or almost entirely absent; anterior margin of head deeply excavate between antennae; posterior legs, segments 4 and 5 each almost as long as segment 3 *Antarcturus myops*
 Eyes present: anterior margin of head only shallowly excavate between antennae; posterior legs, segments 4 and 5 together barely longer than segment 3 *Antarcturus abyssicola*

KEY TO N.Z. GENERA OF FAMILY IDOTEIDAE

- 1. Mandible palp has 3 segments *Holognathus*
 (one species, *H. stewarti*) 2
 Mandible palp absent, or not of 3 segments 3
- 2. Palp of maxillipeds has 4 segments 3
 Palp of maxillipeds has 5 or 6 segments 5
- 3. Pleon of 3 segments *Idotea* 4
 Pleon of less than 3 segments 4
- 4. Uropod peduncle has small spine distally; outer ramus very small and setose, inner large and lamellar, the whole together like a mitten in which the outer represents the thumb, the inner the hand *Notidotea*
 (one species, *N. lacustris*)
 Uropod not as above *Euidotea**
- 5. Antenna 2, flagellum very short, of 1-3 segments *Zenobiana*
 (one species, *Z. tubicola*)
- Antenna 2, flagellum well developed and of numerous segments 6
- 6. Coxal (side) plates fused with body segments *Crabzyos*
 (one species, *C. elongatus*) 7
 Coxal plates free on segments 2-7 7
- 7. Uropods have both rami present *Austridotea*
 Uropods have only one ramus *Paridotea*
 (one species, *P. unguata*)

* That the uropod of *Euidotea* differs from *Notidotea* is pure supposition; however, in the absence of any other characteristic feature which might separate the two genera in their systematic accounts I have assumed a difference in the uropods. If there is not then it would seem that *Notidotea* is too similar to *Euidotea* to retain its identity.