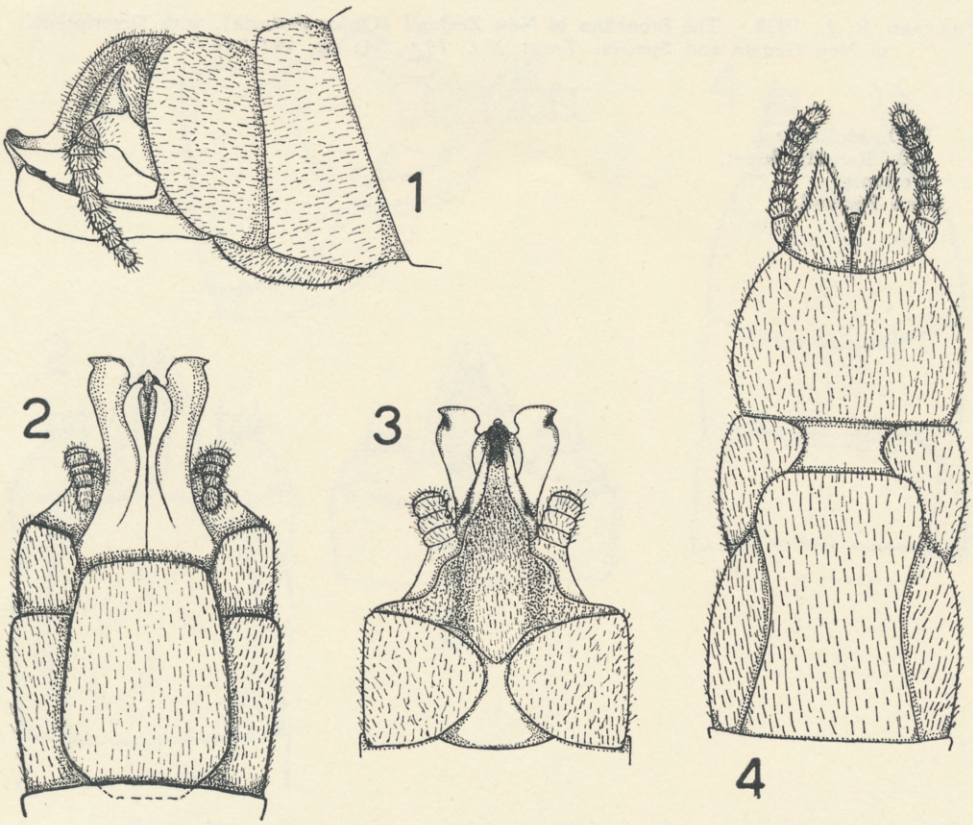
(b) Austroperlid nymphs have external gills in the form of three anal filaments; one dorsal and two ventral. A revised key to the nymphs of New Zealand Plecoptera, to family level, is therefore necessary.



Text-fig. 4.—*Zelandobius furcillatus* Tillyard. Fig. 1—Male genitalia, lateral view. Fig. 2—Male genitalia, ventral view. Fig. 3.—Male genitalia, dorsal view. Fig. 4—Female genitalia, ventral view.

Key to Nymphs of New Zealand Plecoptera Families

1.	Without visible gills	2
	With visible gills	3
2.	Small nymphs with wide hind femora. Cerci approximately the length of abdomen	Nemouridae
3.	Gills consisting of three anal filaments	Austroperlidae
	Gills forming an anal rosette	Gripopterygidae
	Each of the first five or six abdominal segments having a pair of latero-ventral gill filaments	Eustheniidae