

the upper side, the second long, then two short, a long, three short, a long, two short, a long, and a strongly cleft one adjoining the hinge of the fifth joint; of the cleft tooth the hinder division is the broader and has part of its hind margin finely serrate; the fifth and sixth joints together are scarcely as long as the fourth, the fifth is slender, the finger not quite half its length.

*Fourth Peræopods.*—The decurrent apical tooth of the hind margin in the third joint is not very long; the front margin of the fourth joint has five teeth, two very small and three larger; it exceeds the length of the third joint.

*Fifth Peræopods.*—The upper part of the first joint considerably wider than the distal end, the remaining joints together shorter than the first, proportions between them as in *Primno guerini*, except that in the present species the finger is only half the length of the fifth joint; the pectinate distal border of the finger forms a decided angle with the front margin.

*The First Uropods* differ from those of *Primno macropa* by having the inner margin produced into a small tooth at a little distance from the apex of the plate; the third pair differ by having the inner as well as the outer margin produced into a tooth, the serrate distal margin being produced into an apex between and beyond them.

*Telson* triangular, not broader than long.

*Length.*—The length of the specimen was a little over a fifth of an inch.

*Locality.*—March 9–10, 1874, south of Australia; lat. 48° 18' S., long. 130° 4' E.; surface; surface temperature, 52°·3. One specimen, female.

*Remarks.*—The specific name is taken from the addition to his name which Guérin assumed, thereby becoming Guérin-Ménéville; an undescribed species was named "*Primno Guerinii*" by White in 1847.

*Primno antarctica*, n. sp.

Postero-lateral angles of the third pleon-segment not produced.

*Upper Antennæ.*—The peduncle cylindrical, a single joint longer than broad; the flagellum a single joint little longer than the peduncle, strongly tapering, carrying three filaments above the centre, and one or two setules near the apex.

*Gnathopods* as in *Primno latreillei*.

*First Peræopods.*—Second joint as long as the third; third with a minute sub-apical tooth to the hind margin; fourth joint longer than the fifth, with a tooth at the middle of the hind margin, and a larger apical tooth, within which there is a spine not quite so long as the tooth; fifth joint smooth, a little bent at the base; the finger strongly curved at the tip, more than half the length of the fifth joint.

*Third Peræopods.*—First joint channelled behind, expanded a little below the base,