

The marsupial plates as long as the branchial vesicles, but much narrower. The first joint not very wide, oblong-oval, with about a dozen small spines along the nearly straight front margin, and seven or eight minute serrations on the hinder; the third joint is longer than the fourth, apically decurrent behind, and with a spine on the hind margin; the fourth joint has two small spines on the front margin; the fifth joint subequal in length to the third, has five small spines along the front margin; the finger is more than half its length.

*Fourth Peræopods.*—The side-plates much narrower than the preceding pair, the hind lobe rather deeper than the front. The branchial vesicles and the limb similar to those of the third peræopods, but with the first, third and fifth joints larger.

*Fifth Peræopods.*—Side-plates small, broader than deep, not bilobed. The limb as in the preceding pair, but with all the joints, except the second, longer, and the first joint more oval.

*Pleopods.*—The coupling spines are similar in structure to those of the preceding species, but with the lateral teeth numbering only from two to three; the cleft spine single; the joints of the rami about eight or nine in number.

*Uropods.*—Peduncles of the first pair subequal in length to the long narrow rami, which have a few spines on the outer margin; the outer ramus a little shorter than the inner; peduncles of the second pair not reaching so far as those of the first, about as long as the inner ramus; the outer ramus a good deal shorter than the inner; the peduncles of the third pair longer than the rami, the inner margin apically pointed and carrying a few marginal spines, the longer ramus with five marginal spines, the shorter and narrower with only three.

*Telson* reaching beyond the peduncles of the first uropods, not so long in proportion to its breadth at the base as in *Leucothoë miersi*, the minute apex microscopically tridentate.

*Length.*—The specimen, in the position figured, measured, in a straight line from the rostrum to the apex of the third uropods, one-fifth of an inch.

*Locality.*—Station 168, off New Zealand, July 8, 1874; lat. 40° 28' S., long. 177° 43' E.; depth, 1100 fathoms; bottom, blue mud; bottom temperature, 37°·2. One specimen, female. Trawled.

*Remark.*—The specific name refers to the tridentate apex of the telson, but this is a character difficult to observe and not one on which much stress can be laid.

*Leucothoë flindersi*, n. sp. (Pl. XLVIII.).

The first pleon-segment with the postero-lateral angles minutely pointed, but with the hind margin bulging out beyond the points; the second pleon-segment with the angles pointed, not produced beyond the hind margins.