

The greatest basal diameter is 4.5 mm., with one of 1 mm. at the ends of the twigs. The nodal regions are from 0.5 to 1 mm. in height, and equal the internodal regions in diameter.

The polyps are numerous and arranged in an irregular manner over the stem and branches; the verrucæ are only slightly prominent, about 1 mm. in diameter, but it is possible that the sponge-growth in part hides them.

The cœnenchyma is thin, in the older portions allowing the axis to be seen through it.

The massive warty spicules are more elongated than in *Parisus fruticosus*, and measure 0.24–0.16; 0.2–0.1; 0.16–0.12 mm. Some more globular measure 0.2–0.12 mm.

The colour in spirits is of a dirty brown.

*Habitat*.—Station 163B, off Port Jackson; depth, 35 fathoms.

*Parisus minor*, n. sp. (Pl. XLI. fig. 4).

A small fragment of this small species of *Parisus* was found among some débris dredged from the well-known *Hyalonema*-ground at Japan. While future specimens may prove it to be but the terminal portions of a larger form, yet we think there are sufficient differences in its structural details to justify us in making it a new species near to *Parisus laxa*, Verrill.

The fragment preserved is about 80 mm. in height and 40 mm. in breadth; the branches are numerous and irregular in form, but given off in the one plane; there are no anastomoses, though such may possibly be sometimes present as one small descending branch seems to indicate such.

The internodes vary considerably, being from 3 to 7 mm. in length and 1.5 mm. in diameter; the nodes are scarcely perceptible and in the older portions of the axis apparently becoming consolidated; the calcareous internodes are roughened and with several shallow grooves.

The polyps are in two rows, on either sides of the stem and branches; mostly opposite, but sometimes alternate; about 1.5 mm. apart; they are retractile; rather papilliform. Verrucæ with blunt tips; about 1 mm. in height and the same in breadth.

The cœnenchyma is thin, well tessellated with a layer of many-rayed spicules, which are large; they measure 0.3–0.2; 0.32–0.22; 0.26–0.22 mm.; while the irregular spindle-shaped spicules in the verrucæ measure 0.2–0.1; 0.1–0.8 mm.

The colour in spirits is a brownish-white.

*Habitat*.—Station 232, *Hyalonema*-ground, Japan; depth, 345 fathoms.