

fourth the largest tooth the seventh; the difference in length between the first joint of the fourth peræopods and that of the fifth is scarcely perceptible; the angle above the postero-lateral tooth in the first three segments of the pleon is very little rounded; in the smaller specimen with the marsupial plates not fully developed, the third peræopod on one side of the animal had two teeth to the second joint, four to the third, and the large tooth of the fourth joint fourth in order, followed by four on the palmar margin; the third peræopod on the other side had three teeth to the second joint, three to the third, and the large tooth of the fourth joint fifth in order, with the palm as in the other limb; in the first three segments of the pleon the postero-lateral tooth had above it a very decided tooth instead of a more or less rounded angle of the upper margin; no second uropods could be seen in either specimen.

*Phronimella elongata.* Specimen I.

*Locality.*—Station 108, August 27, 1873; off St. Paul's Rocks; lat.  $1^{\circ} 10' N.$ , long.  $28^{\circ} 23' W.$ ; surface; surface temperature,  $78^{\circ}$ . Eleven specimens, all female.

*Remark.*—No trace of second uropods could be seen in any one; there were variations in the number of teeth on the joints of the third peræopods, and in the shape of the hind margin of the first three pleon-segments.

*Phronimella elongata.* Specimen J.

*Locality.*—Station 106, August 25, 1873; Mid Atlantic; lat.  $1^{\circ} 47' N.$ , long.  $24^{\circ} 26' W.$ ; surface to 40 fathoms; surface temperature,  $78^{\circ} \cdot 8$ . Thirty specimens, twenty-one females, nine males.

*Remarks.*—One of the male specimens in some respects, and especially as to the antennæ, agreed closely with that described from south of Mindanao; the upper antennæ had fourteen joints remaining of the slender part of the flagellum, probably within one of the full number, since the last was very thin; the upper antennæ were as long as the lower; the third peræopods had two teeth on the third joint of one limb, and three teeth on that of the other; the second uropods were reduced to a minute rudiment. Other specimens were similar, with variations as to the number of teeth; in other specimens again, the male agreed as to antennæ and pleopods with the specimen from Station 230, but with the second uropods a mere rudiment, this being the case with all the male specimens, while the females agreed in having no trace of the second uropods.

The following table will show the range of the genus *Phronimella* as illustrated by the Challenger specimens:—