

reaching the end of the side-plate, the limb in general like that of the preceding pair, with the fifth joint rather shorter.

*Third Peræopods.*—Branchial vesicles large, with a long slender appendage arising near the top of the main sac. The first joint longer than broad, with the front margin nearly straight.

*Fourth Peræopods.*—First joint long, not much broader above than below.

*Fifth Peræopods.*—The first joint large, of even breadth for much of its length, below less abruptly narrowed than in *Orchomene musculosus*, with which in general this and the other pairs of peræopods closely agree.

*Pleopods.*—The two coupling spines are very small, each with three lateral retroverted teeth in addition to the terminal hook. In the first pair the inner ramus carries seven cleft spines, in the third pair six; the joints of the rami number from sixteen to twenty.

*Uropods.*—Peduncles of the third pair much longer than the subequal, slender, stiliform rami, which carry very few and small spines; peduncles of the second pair longer than the rami; the outer ramus longer and broader than the inner, with twelve small spines set closely along its upper margin, the inner ramus with three spines on its upper margin at a distance from the apex; peduncles of the third pair as long as the shorter ramus, the rami broad, lanceolate, reaching much beyond the preceding pairs, the lower rather longer than the upper, ending with a nail, the spines on both few and small, some plumose setæ on the margins.

*Telson* much longer than its greatest breadth, reaching beyond the peduncles of the third uropods, cleft beyond the middle, slightly dehiscent almost the whole length of the cleft portion, each apex carrying a small spine; three small spines at intervals along each lateral margin.

*Length.*—The specimen, in the position figured, measured, from the front of the head to the back of the third pleon-segment, exclusively therefore of the antennæ, three-tenths of an inch.

*Locality.*—Station 323, east of Buenos Ayres, February 28, 1876; lat. 35° 39' S., long. 50° 47' W.; depth, 1900 fathoms; bottom, blue mud; bottom temperature, 33°·1. One specimen, male.

*Remarks.*—The specific name has been given in allusion to the great depth from which the species is reported to have come. The single specimen, a male (as shown by the ventral appendages of the seventh segment of the peræon), was mounted during the voyage. Had this species been taken within any reasonable distance of *Orchomene musculosus*, the resemblance is so great that one might have been tempted to disregard the points of difference as due to some other cause than difference of species. It might be an accident that has caused one to be reported from the surface, and the other