

the third pair shorter than the rami, rami lanceolate, with few spines, the inner finely pointed, not reaching to the nail of the outer, both bordered within with plumose setæ.

*Telson* extending fully as far back as the peduncles of the third uropods, cleft for three-quarters of its length, narrowed distally, a spine above and another below the middle of each outer margin, and one in each apex; all these with accessory threads.

*Length*, without the antennæ, two-fifths of an inch.

*Locality*.—Kerguelen Island. The particular place or depth was not recorded in regard to the specimen figured and described. A second specimen was taken at the surface in Betsy Cove, and a third at Station 149H, off Cumberland Bay; depth, 127 fathoms; bottom, volcanic mud.

*Remarks*.—The specific name refers to the cavity in the palm of the second gnathopods. In the course of the description the differences have been noticed between this and the very similar species, *Orchomene musculosus*, taken at an enormously distant station to the south of Japan. The present species agrees better with Boeck's definition of *Orchomene* in so far as the inner plate of the first maxillæ is elongate, but agrees worse with it, in so far as the large outer plates of the maxillipeds, though perhaps extending as far as the second joint of the palp, cannot be said, in accordance with the definition, to extend beyond it. Boeck himself does not seem to have laid much stress on the latter point, since, in describing *Orchomene serratus*, the type species, he says that the outer plates of the maxillipeds reach about to the end of the second joint of the palp.

Genus *Lysianax*, altered from *Lysianassa*, preoccupied.

*Lysianassa*, Milne-Edwards, 1830.

For the original definition, see Note on Milne-Edwards, 1830 (p. 141). Boeck, in 1872, thus defines this genus, which, since its first institution, has been much subdivided:—

“Mandibulæ mala in margine anteriore dente parvo, sed longo, tenui instructa; palpo elongato, in eadem altitudine ac tuberculo molari minuto affixo.

“Maxillæ 1mi paris lamina interna permagna, in apice setam parvam aut obsoletam gerenti.

“Maxillæ 2di paris lamina interiore lata, exteriori angusta.

“Pedes maxillares lamina exteriori ovata vixque in margine interiore nodulosa, non ad finem articuli 2di palpi elongati angustique porrecta; lamina interiore elongata.

“Antennæ superiores articulo pedunculi 2do et 3tio paulo elongatis.

“Pedes 1mi paris manu non subcheliformi; articulo 5to elongato, apicem versus attenuato; ungue parvo.

“Pedes saltatorii elongati; ramis paris ultimi brevioribus quam pedunculo, setosis.