

armata, *Atya spinipes*, and *Atya pilipes* are from New Zealand. The last two are probably only varieties of the same species, since their distinction chiefly rests on the presence or absence of a smaller tooth posterior to that described as being on the under side of the meros of the third pair of pereopoda in *Atya armata*.

Of the smaller species, which has been described under the generic name of *Atyoida*, specimens of *Atya bisulcata* have been recorded from the Islands of the Pacific, Randall, Dana, and Stimpson having obtained it from Hawaii. Stimpson has described a species that is difficult to separate from the above, but to which he has given the name of *Atyoida tahitensis*, from its having been procured at Tahiti. Specimens in the Challenger collection were obtained at Honolulu, which I cannot distinguish from *Atya bisulcata*. Fritz Müller obtained specimens, that he named *Atyoida potimirim*, from the fresh-water rivers of South America. Specimens that correspond closely with those from the Pacific Islands were procured during the voyage of the Challenger from the Cape Verde Islands. I have named them *Atya serrata* from the only distinguishing feature by which I could positively identify them. They were found associated with *Atya sulcatipes*, and with a damaged specimen of *Caridina typus*, which I am inclined to think may be only the young of the last named *Atya*.

Atya sulcatipes, Newport (Pl. CXVIII.; Pl. CXIX. fig. 1).

Atya sulcatipes, Newport, Ann. and Mag. Nat. Hist., vol. xix. p. 158, pl. iii. fig. 1, 1847.

„ „ A. Milne-Edwards, Ann. Soc. Entom. France, tom. iv. p. 147, 1864.

This species closely resembles the typical form of *Atya scabra*, but differs in having a prominent tooth on the inner distal angle of the carpos.

Length, entire,	68	mm. (2.6 in.).
„ of carapace,	26	„
„ of rostrum,	0.3	„
„ of pleon,	42	„
„ of first, second, and third somites, each	6	„
„ of fourth, fifth, and sixth somites, each	5	„
„ of telson,	9	„
„ of peduncle of first antenna,	8	„
„ of scaphocerite,	8	„
„ of first pereopod,	18	„
„ of second pereopod,	20	„
„ of third pereopod,	47	„
„ of fourth pereopod,	30	„
„ of fifth pereopod,	25	„

Habitat.—From a fresh-water stream in the valley of San Antonio, San Iago, Cape Verde Islands.