

Synonymy: *Palaemonopsis vulgaris* - Stimpson, 1871; *Palaemonetes carolinus* Stimpson, 1871; *Palaemonopsis carolinus* - Stimpson, 1871; *Palaemon (Leander) vulgaris* - Von Martens, 1872; *Palaemon (Palaemonetes) carolinus* - Thallwitz, 1892.

FAO Names: Marsh shrimp (En), Bouquet des marais (Fr), Camarón de fangal (Sp).

Local Names: Grass shrimp, Common grass shrimp, Common American prawn (U.S.A.).

Literature: Holthuis, 1952:231, Pl. 54, Figs. f-l.

Distribution: Western Atlantic: New Brunswick, Canada to Texas, U.S.A.

Habitat: Salt or brackish water.

Size: Maximum total length 30 mm (♂), 42 mm (♀).

Interest to Fishery: R. Rathbun (1884:818) listed the present species among the economic crustaceans of the U.S.A., but stated that it "does not rank among our food invertebrates on account of its small size". Fowler (1912:327) reported it to be used as bait for fishing in New Jersey. U.S. Bureau of Commercial Fisheries (1958:8) listed both *Palaemonetes vulgaris* and *P. carolinus* as being caught for bait shrimp in New York and New Jersey. It is possible that with the latter name *P. pugio* Holthuis, 1949, the "Dagger shrimp" was meant.

SUPERFAMILY ALPHEOIDEA Rafinesque, 1815

Alpheoidea Holthuis, 1955, Zool.Verh.Leiden, 26:81

This superfamily contains four families, all of which are represented in this list, but none of the species is of great commercial importance.

FAMILY ALPHEIDAE Rafinesque, 1815

Alphidia Rafinesque, 1815, *Analyse de la Nature*, 98

This family has a great number of genera and species, but only very few of these are of commercial importance and even then their value is quite minor.

Alpheus bisincisus De Haan, 1844

ALPH Alph 1

Alpheus bis-incisus De Haan, 1844, In Von Siebold, *Fauna Japonica*, Crustacea (6/7):P1.45, Fig. 3

Synonymy: *Crangon bis-incisus* - Urita, 1921.

FAO Names: Flathead snapping shrimp (En), Cardon nez camus (Fr), Camarón chato (Sp).

Literature: Banner & Banner, 1966:1?.5, Fig. 46.

Distribution: Indo-West Pacific: South and East Africa to Japan, Indonesia, and New Caledonia.

Habitat: Depth 1 to at least 70 m. Marine.

Size: Total length 21 to 32 mm; carapace length 10 mm.

Interest to Fishery: Minor. Tiwari (1963:304) mentioned a specimen purchased on the market of Nha-Trang, Viet Nam.

Alpheus brevicristatus De Haan, 1844

ALPH Alph 2

Alpheus brevicristatus De Haan, 1844, In Von Siebold, Fauna Japonica, Crustacea (6/7):Pl.45, Fig.1

Synonymy: *Alpheus kingsleyi* Miers, 1079; *Crangon brevimistatus* - Maki & Tsuchiya, 1923.

FAO Names: Teppo snapping shrimp (En), Cardon teppo (Fr), Camarón tepo (Sp).

Local Names: Teppo ebi (Japan).

Distribution: Indo-West Pacific: S.E. Siberia; China; Japan; Taiwan.

Habitat: Depth 8 to 10 m. Marine.

Size: Maximum total length 100 mm.

Interest to Fishery: Liu (1955:30) listed this species among the economic prawns and shrimps of North China. Harada (1966:82) reported that it is fished for by commercial fishermen in the Lake Naka-umi area, Honshu, Japan.

Alpheus digitalis De Haan, 1844

ALPH Alph 3

Alpheus digitalis De Haan, 1844, In Von Siebold, Fauna Japonica, Crustacea (6/7):Pl. 45, Fig. 4

Synonymy: *Alpheus distinguendus* De Man, 1909; *Crangon (Alpheus) distinguendus* - Gee, 1925.

FAO Names: Forceps snapping shrimp (En), Cardon tenaille (Fr), Camarón tenaza (Sp).

Literature: De Man, 1909:155, Pl. 7, Figs. 9-14 (as *A. distinguendus*)

Distribution: Indo-West Pacific: Japan; China; Mergui Archipelago; Australia.

Habitat: Depth 1 to 10 m. Marine,

Size: Maximum total length 74 mm.

Interest to Fishery: The species is listed by Liu (1955:29) among the shrimps and prawns of economic importance in N. China. Banner & Smalley (1969:43) indicated that in parts of Moreton Bay, Queensland, this species, together with *Alpheus stephensoni* Banner & Smalley, occurs "in the prawn trawls during summer nights Occasionally, a night's effort will catch over 100 lbs of large snapping shrimp, though usually they are thrown back with the trash".

Alpheus euphrosyne De Man, 1897

ALPH Alph 4

Alpheus euphrosyne De Man, 1897, Zool.Jahrb.(Syst.Geogr.Biol.Thiere), 9:745

Synonymy: *Crangon euphrosyne* - Suvatti, 1937.

FAO Names: Nymph snapping shrimp (En), Cardon nympe (Fr), Camarón palomilla (Sp).

Literature: De Man, 1899:317, Pl. 4, Fig. 2; De Man, 1911a:413.

Distribution: Indo-West Pacific: Bangladesh; Thailand; Indonesia.

Habitat: Probably estuarine.

Size: Maximum total length 58 mm.

Interest to Fishery: Listed by Ahmad (1957:16) among the prawns that are fished for in Bangladesh.

Alpheus glaber (Olivi, 1792)

ALPH Alph 5

Cancer glaber Olivi, 1792, Zoal.Adriat., 51

Synonymy: *Cryptophtasmus ruber* Rafinesque, 1814; *Autonomea olivii* Risso, 1816; *Astacus* (*Autonomea*) *olivii* - Voigt, 1836, *Alpheus ruber* - H. Milne Edwards, 1337; *Phleusa cynea* Nardo, 1847; *Crangon ruber* - Johnson, Everest à Young, 1947.

FAO Names: Red snapping shrimp (En), Cardon rouge (Fr), Camarón carneo (Sp).

Literature: Zariquiey Alvarez, 1968:147, Fig. 59b.

Distribution: Eastern Atlantic: Atlantic coast of Europe from Great Britain south; Mediterranean Sea of Marmara.

Habitat: Depth 35 to 100 m. Bottom mud. Marine.

Size: Maximum total length 43 mm

Interest to Fishery: Paolucci (1909:248) when dealing with this species from the Adriatic Sea near Ancona, Italy, stated "Qualche volta ne viene raccolta poca quantità e venduta al mercato, ma non è molto buono a mangiarsi". As stated by Zariquiey Alvarez (1968:148) on the northeastern coast of Spain the species is often caught by trawlers ("cogido frecuentemente por las barcas de arrastre") and so reaches the fish markets; however, it generally is considered trash or sold as an admixture to other species.

Alpheus gracilipes Stimpson, 1860

ALPH Alph 6

Alpheus gracilipes Stimpson, 1860, Proc.Acad.Nat.Sci.Phila., 1860:31

Synonymy: *Crangon gracilipes* - Edmoadson, 1925.

FAO Names: Daisy snapping shrimp (En), Cardon marguerite (Fr), Camarón margarita (Sp).

Local Names: Ashiboso teppo ebi (Japan).

Literature: Miya, 1974:154, Pl. 30.

Distribution: Indo-West Pacific: East Africa and Jibuti to Japan, Hawaii and Polynesia.

Habitat: Depth intertidal to 3.3. m. Coral reefs. Marine.

Interest to Fishery: Minor. Tiwari (1963:298) mentioned a specimen, purchased at the market of Nha-trang, Viet Nam.

Alpheus heterochaelis Say, 1818

ALPH Alph 7

Alpheus heterochaelis Say 1818, J.Acad.Nat.Sci.Phila., 2:243

Synonymy: *Halopsyche lutaria* De Saussure, 1857; *Alpheus lutarius* - De Saussure, 1858; *Crangon heterochaelis* Hay & Shore, 1918.

FAO Names: Bigclaw snapping shrimp (En), Cardon grandes pinces (Fr), Camarón tamarú (Sp).

Local Names: Big-clawed snapping shrimp (U.S.A.), Tamarú (Pernambuco, Brazil).

Literature: Williams, 1965:66, Fig. 54; Chace, 1972:67.

Distribution: Western Atlantic: Bermuda; North Carolina, U.S.A. to S. Brazil; West Indies. Not all records are trustworthy; according to Chace, 1972, the certain records of the species are in the area from North Carolina to Texas, U.S.A., Cuba, Curaçao and Surinam.

Habitat: Depth 0 to 30 m. Muddy estuarine areas.

Size: Maximum total length 40 mm (♂), 50 mm (♀).

Interest to Fishery: In N.E. Brazil the species is of secondary commercial importance, it is usually caught to be used as bait for fishing (P.A. Coelho & M. de Araújo Ramos, in Litt.).

Alpheus hoplocheles Coutière, 1897

ALPH Alph 8

Alpheus hoplocheles Coutière, 1897, Notes Leyden Mus., 19:197

Synonymy: *Crangon (Alpheus) hoplocheles* - Gee, 1925.

FAO Names: Armed snapping shrimp (En), Cardon épineux (Fr), Camarón armado (Sp).

Distribution: Indo-West Pacific: China, possibly also Japan and Indonesia.

Habitat: Marine.

Size: Total length 35 mm.

Interest to Fishery: Liu (1955:32) listed the species in his enumeration of economic shrimps and prawns of N. China.

Alpheus japonicus Miers, 1879

ALPH Alph 9

Alpheus japonicus Miers, 1879, Proc.Zool.Soc.Lond., 1879:53

Synonymy: *Alpheus longimanus* Bate, 1888; *Crangon japonica* Yu, 1935.

FAO Names: Japanese snapping shrimp (En), Cardon japonais (Fr), Camarón chasqueador (Sp).

Local Names: Tenagateppô ebi (Japan).

Distribution: Indo-West Pacific: S.E. Siberia; China; Japan.

Habitat: Depth 5 to 90 m. Marine.

Size: Maximum total length 46 mm.

Interest to Fishery: Listed by Liu (1955:31) among the economic prawns and shrimps of N. China.

Alpheus spongiarum Coutière, 1897

ALPH Alph 10

Alpheus spongiarum Coutière, 1897, Bull.Mus.Hist.Nat., Paris, 3:236

Synonymy: *Alpheus crinitus spongiarum* - Coutière, 1898; *Alpheus paraculeipes* Coutière, 1905.

FAO Names: Bristle snapping shrimp (En), Cardon brosse (Fr), Camarón cepillo (Sp).

Local Names: Kaimen teppo ebi (Japan).

Literature: Miya, 1974:148, Pl. 28.

Distribution: Indo-West Pacific: western Indian Ocean to Japan, Indonesia and Australia.

Habitat: Depth 0 to 113 m. Associated with sponges. Marine.

Size: Total length 8.6 to 20.6 mm; carapace length 3 to 7.5 mm.

Interest to Fishery: Tiwari (1963:293, under *Alpheus paracuelipes*) mentioned a specimen purchased at the market of Nha-trang, Viet Nam.

Alpheus stephensoni Banner & Smalley, 1969

ALPH Alph 11

Alpheus stephensoni Banner & Smalley, 1969, Proc.R.Soc.Queensl., 81(3):43

FAO Names: Queensland snapping shrimp (En), Cardon australien (Fr), Camarón australiano (Sp).

Distribution: Indo-West Pacific: Moreton Bay, Queensland, Australia.

Habitat: Depth 9 to 18 m. Bottom mud or sandy mud. Marine.

Size: Maximum total length 70 mm.

Interest to Fishery: The species, together with *A. digitalis* "consistently occurs in the prawn trawls during summer nights in parts of Moreton Bay. Occasionally, a night's effort will catch over 100 lbs of large snapping shrimp, though usually they are thrown back with the trash" (Banner & Smalley, 1969:43).

Alpheus sublucanus (Forskål, 1775)

ALPH Alph 12

Cancer sublucanus Forskål, 1775, Descriptiones Animalium, 94

Synonymy: *Cancer (Astacus) sublucanus* - Herbst, 1793; *Alpheus lottini* Guérin, 1829; *Alpheus ventrosus*, H. Milne Edwards, 1837; *Alpheus laevis* Randall, 1840; *Alpheus rouxii* Guérin, 1857; *Alpheoides laevis* - Paulson, 1875; *Crangon laevis* - Urita, 1921; *Crangon ventrosus* - Edmondson, 1923; *Crangon latipes* Banner, 1953.

FAO Names: Coral snapping shrimp (En), Cardon coraille (Fr), Camarón de coral (Sp).

Literature: Banner & Banner, 1966:91, Fig. 31 (as *A. lottini*).

Distribution: Indo-West Pacific: Red Sea and East Africa to Japan, Australia and Polynesia. Eastern Pacific: Clipperton Island; Gulf of California; Bay of Panama; Galapagos Islands; Easter Island.

Habitat: Depth 1 to 36 m. Living in association with madreporal corals. Marine

Size: Maximum total length 42 mm.

Interest to Fishery: Tiwari (1963:286) reported material of this species as offered for sale at the market of Nha-trang, Viet Nam.

Remarks: Until recently *Cancer sublucanus* Forskål has been considered an unidentifiable species. The original description, being based on Forskål's field notes, is mainly concerned with colour; and in preserved specimens all colour disappears, so that Museum specialists were at a loss as how to interpret Forskål's (1775) description. During two stays with an Israel Expedition in