

TAXONOMIC STATUS OF AMPHIPOD CRUSTACEANS IN THE SOUTH CHINA SEA WITH A CHECKLIST OF KNOWN SPECIES

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ABSTRACT. - The Amphipoda of the South China Sea are catalogued. Based on the literature, 48 families, 113 genera and 272 species are recorded. Gammaridean amphipods have effectively been studied from only three areas - Hong Kong, several sites in Vietnam and several sites in the Philippines. There are additional small study sites in Singapore and the Spratly Islands. Based on these studies 31 gammaridean families, 67 genera and 153 species have been recorded, the vast majority of these taxa come from the Central-western and North-western South China Sea. In nearly all recorded families the genera and species appear to be poorly represented. By comparison Ruffo (1982; 1989; 1993) has reported 51 families, 157 genera and 450 species of gammaridean and caprellidean amphipods from the Mediterranean Sea. Important habitats for amphipods such as algal forests, seagrass meadows and coral reefs have not been studied in the South China Sea. No caprellidean or ingolfiellidean amphipods have been reported. Hyperiid amphipods appear to be more widely collected and studied (17 hyperiid families, 46 genera and 119 species). More than half of all hyperiid families have been reported from this area. Much work needs to be done in the South China Sea before amphipod biodiversity can be properly assessed and understood.

KEYWORDS. - Amphipods, South China Sea, checklist.

INTRODUCTION

The gammaridean amphipod crustaceans of the South China Sea are not well known. There are currently about 153 species recorded from this area. These records come almost exclusively from three places: Hong Kong, northern and southern Vietnam and the eastern central Philippine Islands (Fig. 1). The best known area, Hong Kong, has only 54 recorded species. It does not appear to be very diverse compared with well sampled sites in the Indo West Pacific. Myers (1985) reported 84 species from the shallow-waters of Fiji, Jebb & Lowry (1992) reported about 185 species from the Madang Lagoon, Papua New Guinea and Myers, Lowry and Takeuchi (unpublished data) have identified about 155 species of gammaridean amphipods from the South-east Lagoon, New Caledonia. It appears that no caprellidean amphipods have been reported from the South China Sea. Hyperiid amphipods appear to be more widely collected and studied and are not considered further in the introduction.

The recorded names in this catalogue are cited as they appear in the original publications except for *Waldeckia nudum*, cited in Imbach (1967) as *Socarnopsis nudum*. The author takes no responsibility for the accuracy of identifications, but some species identifications, particularly from far outside their original geographic area, should be considered as suspect.

BIODIVERSITY

The Mediterranean Sea has one of the best documented gammaridean amphipod faunas in the world (Ruffo, 1982; 1989; 1993). A comparison of this fauna with that of the South China Sea is an indication of the lack of information about biodiversity of the South China Sea amphipod fauna. In the Mediterranean Sea there are 51 family level groups, 157 genera and about 450 species of gammaridean amphipods. In the South China Sea 31 family level groups, 67 genera and 153 species have been reported. In the well known, and diverse, Mediterranean Sea more than 1.5 times as many families, nearly 2.5 times as many genera and about three times as many species have been recorded.

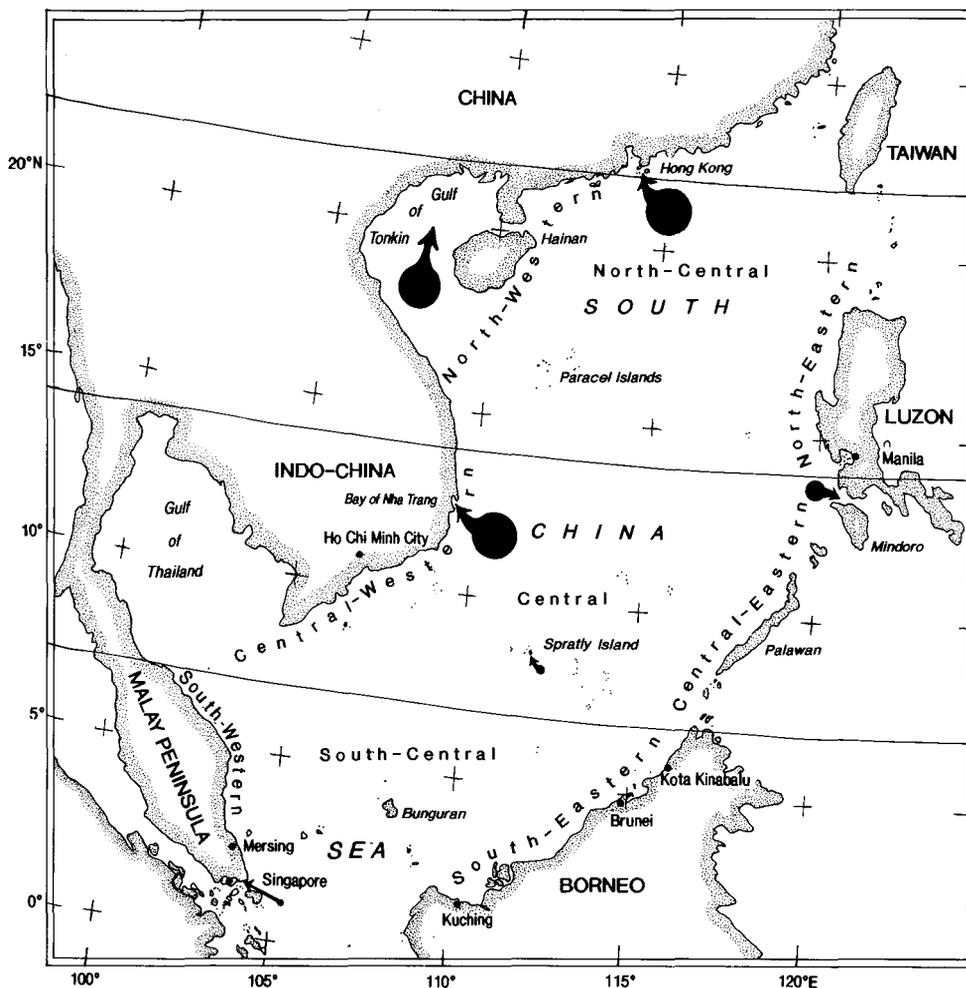


Fig. 1. The South China Sea. Black arrows indicate the areas where amphipod have been recorded and the relative size of the arrow indicates the number of species recorded.

About 15 gammaridean families dominate marine habitats in most temperate and tropical areas. Knowledge of the species in these groups usually gives a good indication of the biodiversity of the area and accounts for the majority of the species.

Soft bottom benthos. Ampeliscids, corophiids, oedicerotids, phoxocephalids and urothoids usually dominate the amphipod component of soft bottom benthic communities. Of these groups the ampeliscids (33 species) and corophiids (14 species) are the best studied groups in the South China Sea amphipod fauna, but they give a false impression of their diversity because they are all essentially known only from Hong Kong and Vietnam.

The benthic Ampeliscidae is the only group in which more species are recorded from the South China Sea (33 species) than from the Mediterranean Sea (30 species). However within the South China Sea ampeliscid amphipods are only known from three areas, Hong Kong, Nha Trang Bay and the Gulf of Tonkin which indicates that more widespread sampling would increase species diversity. Ten genera and 24 species of oedicerotid amphipods are known from the Mediterranean (Ledoyer, 1993), but only four genera and seven species have been recorded in the South China Sea. Another diverse benthic group is the Phoxocephalidae. Four genera and 14 species are known from the Mediterranean (Karaman, 1993), but three genera and only three species are recorded from the South China Sea.

Algal-dwellers. Certain amphipod family groups often dominate the invertebrate communities living on shallow-water algae. Among these groups ampithoids, dexaminids and hyalids are algal herbivores. One of the important algal genera is *Sargassum* which forms large shallow-water forests in many tropical and warm temperate areas. A recent study of ampithoid amphipods in Port Jackson, Australia (Poore & Lowry, 1997) showed that ampithoids make up 5 of the 10 most abundant species living on the brown macro-alga *Sargassum*. Although *Sargassum* occurs in the South China Sea there are no published studies of the amphipods inhabiting this alga. Other groups known to inhabit *Sargassum*, such as amphiloichids, aorids, isaeids and ischyrocerids and caprellideans are probably detrital feeders, surface-feeders, suspension-feeders or predators. A good knowledge of the algal-dwelling amphipods is essential to good management of coastal algal communities.

Within the important algal-dwelling families Amphiloichidae, Ampithoidae and Aoridae only six genera and eight species are known from the South China Sea. In the Mediterranean Sea 13 genera and 54 species have been recorded by Krapp-Schickel, (1982a, b) and (Myers, 1982a). Alga-dwelling dexaminids are diverse in the Mediterranean Sea with 5 genera and 11 species (Bellan-Santini, 1982). Only three genera and five species are recorded from the South China Sea. Eusirids are also well represented in the Mediterranean Sea with three genera and eight species (Ledoyer, 1982). No eusirids have been recorded from the South China Sea. Among hyalids which are always common in intertidal algae three genera and 11 species are known from the Mediterranean (Krapp-Schickel, 1993a). In the South China Sea three genera and only seven species have been recorded. There are almost certainly many more species present. Although ischyrocerid amphipods are never particularly diverse they can be extremely abundant on algae. Four genera and five species are known from the Mediterranean (Myers, 1989b), and two genera and three species have been recorded from the South China Sea. Myers (1995) recorded six genera and seven species from Madang Lagoon. There are eight genera and 22 species of caprellidean amphipods recorded from the Mediterranean Sea (Krapp-Schickel, 1993b). Apparently no caprellidean amphipods are recorded from the South China Sea.

Demersal scavengers. The main scavenging amphipods occur in the superfamily Lysianassoidea and the family Stegocephalidae. The lysianassoid amphipods are currently being split into family level groups (Lowry & Stoddart, 1995; 1996; 1997). The main lysianassoid scavengers occur in the families Lysianassidae, Podopriionidae, Scopelocheiridae and Uristidae. There are about 60 species of demersal scavenging amphipods in 10 family level groups on the continental shelf off eastern Australia (Lowry & Stoddart, unpublished information). At the moment the only potential scavenging amphipods reported from the South China Sea are the lysianassids *Socarnopsis dissmulantia* and *Waldeckia nudum* and the uristid *Ichnopus wardi*. It is reasonable to expect that species of scavenging amphipods in lysianassid genera such as *Orchomenella*, *Paralysianopsis*, *Rhinolabia* and *Tryphosella*; scopelocheirid genera such as *Aroui* and *Paracallisoma*; uristid genera such as *Koroga*, *Nagada*; and stegocephalid genera such as *Andaniotes* and *Parandania* to occur in the South China Sea. Deep water lysianassoid genera such as *Eurythenes* and *Hirondellea* should also be present.

The lysianassoid superfamily is always very diverse at the genus and species level. Diviacco & Ruffo (1989) reported 14 genera and 34 species in the Mediterranean. Lowry & Stoddart (1995) reported 10 genera and 17, mostly shallow-water, species from Madang Lagoon and Astrolabe Bay, Papua New Guinea. In the South China Sea 11 genera and 15 species have been recorded. All of these species come from three areas, the Bay of Nha Trang, Vietnam; Singapore; and the eastern central Philippine Islands. There are no overlapping species reported between these areas.

Rubble dwellers. The richest habitat for amphipods in tropical environments appears to be the rubble zone at the base of coral reefs. It is particularly rich for detrital- and suspension-feeding amphipods. In the corophioid group, aorid genera such as *Aora*, *Bemlos* and *Globosolembos*, corophiid genera such as *Corophium* and isaeid genera such as *Cheiriphotis*, *Chevalia*, *Gammaropsis* and *Photis*, are diverse and abundant. This is also true in the hadzioid group where genera such as *Ceradocus*, *Elasmopus* and *Maera* are common in coral rubble.

Among the Corophiidae (*sensu stricto*) there are three genera and 15 species in the Mediterranean (Myers, 1982b) and one genus and 14 species recorded from the South China Sea. Hadziids are an umbrella group which contains a diverse group of genera and species. Nine genera and 30 species are known from the Mediterranean (Karaman, 1982). Ten genera and about 19 species are known from the South China Sea. Isaeids are always common and diverse epifaunal amphipods. Five genera and 19 species are known from the Mediterranean (Myers, 1989a). Five genera, and about six species are recorded from the South China Sea. Only one species of the usually diverse genus *Gammaropsis* is recorded from the South China Sea, yet Myers (1989a) recorded 10 species from the Mediterranean Sea and nine species (Myers, 1995) from Madang Lagoon in northern Papua New Guinea.

High Intertidal Detritivores. Talitrid amphipods are a conspicuous group in the high intertidal zone of temperate to cold temperate environments, but they never appear to be very diverse or common in tropical and warm temperate areas. Three genera and 12 species are known from the Mediterranean area (Bellan-Santini, 1993). The fact that four genera and about six species are recorded from the South China Sea almost certainly indicates that more species are present.

Commensals and Epiparasites. Amphipods associated with invertebrates such as sponges, soft corals, horny corals, bryozoans and tunicates are always present in tropical and warm temperate environments. Species of colomastigids, leucothoids and Aristiids are often associated with sponges. Species of the dexaminid genus *Polycheria* are often found living with colonial tunicates on coral reefs. Two endemic Indo West Pacific families, the Iciliidae and the Maxillipiidae should occur in at least the southern South China Sea. Species of *Icilius* are known to live on sponges, soft corals and gorgonaceans in the South-eastern South China Sea and eastern Australia and *Maxillipius commensalis* Lowry, 1984, occurs on horny corals in southern and northern Papua New Guinea.

Species of all of these groups should be present in the South China Sea, but currently they are not well known. In comparison Krapp-Schickel (1989) reported 13 species of the genus *Leucothoe* living in the Mediterranean Sea. Five species of *Leucothoe* are known from three sites in the South China Sea and none overlap. LeCroy (1995) reported 11 species of *Colomastix* associated with sponges and corals in the eastern Gulf of Mexico. No species of *Colomastix* have been reported from the South China Sea.

Amphipod epiparasites are all lysianassoids which live on sharks, fish and crustaceans. They are probably rare where ever they occur and are not often collected. One species of *Trischizostoma* (Trischizostomatidae) is known from the South China Sea (Lowry & Stoddart, 1993). The opisid genus *Podoprionella* probably occurs there. It has been reported from Madang Lagoon in northern Papua New Guinea (Lowry & Stoddart, 1995). Because of its mouthpart and gnathopod morphology species of the scopelocheirid genus *Eucallisoma* (known from the South china Sea) are suspected of epiparasitic behaviour.

Pelagic. The main pelagic gammaridean amphipods belong to several lysianassoid families - mainly the Cyphocarididae. Although many hyperiidean amphipods are known from the pelagic environment of the South China Sea only one gammaridean amphipod (a species of *Cyphocaris*) has been recorded. This habitat cannot be compared with the same habitat in the Mediterranean because apparently no pelagic gammarideans live there.

FAMILIES NOT REPORTED FROM THE SOUTH CHINA SEA

The diversity of every family group appears to be grossly under-reported. Many common cosmopolitan family groups which are certain to be present have not been reported: for example the Anamixidae, Biancolinidae, Ceinidae, Cheluridae, Colomastigidae, Eusiridae, Exoedicerotidae, Iphimediidae, Pardaliscidae, Sebidae, Stegocephalidae and Synopiidae.

It can only concluded from this short review that at all taxonomic levels the gammaridean amphipod fauna of the South China Sea is poorly known. Even in geographic areas that appear to be well studied the coverage is biased so that some groups have been studied in detail and others have been poorly studied or completely left out. Even where certain groups, such as ampeliscids, appear to be diverse compared with other areas, the diversity is still almost certainly an underestimate because there is virtually no recorded overlap among species from different areas within the South China Sea, although many of these species have extrinsic distributions. Consequently the diversity of the gammaridean amphipod fauna is almost certainly severely underestimated.

STUDY AREAS

Comprehensive faunal studies of amphipod families at selected sites around the South China Sea would be extremely useful in determining a balanced assessment of the biodiversity in this area. **1.** Hong Kong is established as an important study site in the north-western South China Sea. **2.** At least one site in the Gulf of Thailand. **3.** Singapore (University of Singapore) and a site on the eastern Malaysian coastline need to be established as study sites in the south-western South China Sea. **4.** Sarawak **5.** Sabah associated with the Borneo Marine Research Unit in Kota Kinabalu. **6.** Philippines near an east coast marine station. **7.** southern Taiwan.

CHECKLIST AMPHIPODA RECORDED FROM THE SOUTH CHINA SEA

GAMMARIDEA

Amaryllidid Group, Lysianassoidea **(1 genus - 1 species)**

Pseudamaryllis andresi Lowry & Stoddart, 1993
South-eastern Luzon and northern Mindoro, Philippine Islands (Lowry & Stoddart, 1993).

Ampeliscidae **(2 genera - 33 species)**

Ampelisca bocki Dahl, 1944
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Ampelisca brevicornis (Costa, 1853)
Bay of Nha Trang, Vietnam (Imbach, 1967); Gulf of Tonkin, Vietnam (Margulis, 1968); Hong Kong (Hirayama, 1991) (Huang, 1994).

Ampelisca chinensis Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Ampelisca cyclops cyclops (Walker, 1904)
Bay of Nha Trang, Vietnam (Imbach, 1967); Spratly (Nansha) Islands (Ren, 1991) (Huang, 1994).

Ampelisca cyclops iyoensis Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967); Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca furcigera Bulycheva, 1936
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca hongkongensis Hirayama, 1991
Hong Kong (Hirayama, 1991) (Huang, 1994).

Ampelisca honmungensis Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Ampelisca humpferi Schellenberg, 1925
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca latifrons Schellenberg, 1925
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca maia Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Ampelisca miharaensis Nagata, 1959
Bay of Nha Trang, Vietnam (Imbach, 1967); Gulf of Tonkin, Vietnam (Margulis, 1968); Hong Kong
(Hirayama, 1991) (Huang, 1994).

Ampelisca mindorensis Olerod, 1970
Puerto Galera, Mindoro, Philippine Islands (Olerod, 1970).

Ampelisca miops K.H. Barnard, 1916
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca misakiensis Dahl, 1944
Bay of Nha Trang, Vietnam (Imbach, 1967); Gulf of Tonkin, Vietnam (Margulis, 1968) (Huang,
1994).

Ampelisca naikaiensis Nagata, 1959
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca nanshaensis Ren, 1991
Spratly (Nansha) Islands (Ren, 1991) (Huang, 1994).

Ampelisca orops Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Ampelisca stenopa Schellenberg, 1925
Gulf of Tonkin, Vietnam (Margulis, 1968).

Ampelisca tansani Hirayama, 1991
Hong Kong (Hirayama, 1991).

Byblis calisto Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967); Spratly (Nansha) Islands (Ren, 1991) (Huang, 1994).

Byblis brachyura Margulis, 1968
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis febris Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Byblis io Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Byblis japonicas Dahl, 1945
Hong Kong (Hirayama, 1991) (Huang, 1994).

Byblis kallarthrus Stebbing, 1887
Singapore (Stebbing, 1887); Gulf of Tonkin, Vietnam (Margulis, 1968); Hong Kong (Hirayama, 1991);
Spratly (Nansha) Islands (Ren, 1991) (Huang, 1994).

Byblis mucronata Pirlot, 1936
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis pilosa Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

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Byblis pirloti Margulis, 1968
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis plumosa Margulis, 1968
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis rhinoceros Pirlot, 1936
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis serrata Smith, 1873
Gulf of Tonkin, Vietnam (Margulis, 1968).

Byblis verae Margulis, 1968
Gulf of Tonkin, Vietnam (Margulis, 1968).

Amphilochidae (1 genus - 1 species)

Gitanopsis longus Hirayama, 1983
Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Ampithoidae (4 genera - 5 species)

Ampithoe zachs Gurjanova, 1938
Long Ke Wan, Hong Kong (Moore, 1990) (Huang, 1994).

Cymadusa mauritiensis (Ledoyer, 1978)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Cymadusa vadosa (Imbach, 1967)
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Peramphithoe orientalis (Dana, 1853)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Sunamphithoe plumosa Stephensen, 1944
Hainan Island, Vietnam, Vietnam (Ren cited in Huang, 1994).

Aoridae (1 genus - 2 species)

Grandidierella gilesi Chilton, 1921
Bay of Nha Trang, Vietnam (Imbach, 1967); mangroves, Khong Pak Phanang, Nakhon Si Thammarat,
Gulf of Thailand (Bussarawich, 1985); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Grandidierella megnae (Giles, 1888)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Aristiidae, Lysianassoidea

(1 genus - 3 species)

Aristias coriolis Lowry & Stoddart, 1993
South-east of Marinduque, Sibuyan Sea, Philippine Islands (Lowry & Stoddart, 1993).

Aristias verdensis Lowry & Stoddart, 1993
Verde Island Passage, Philippine Islands (Lowry & Stoddart, 1993).

Aristias sp
20 km south of Ko Samet, Gulf of Thailand; Ko Kradat Gulf of Thailand (Lowry & Stoddart, unpubl.).

Corophiidae

(1 genus - 14 species)

Corophium ascherusicum (Costa, 1851)
Mirs Bay, Hong Kong (Moore, 1990); Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Corophium baconi Shoemaker, 1934
Victoria Harbour and Tai Tam Wan, Hong Kong (Hirayama 1990a); Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Corophium crassicorne Bruzelius, 1859
Kat O Chau, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium hongkongensis Hirayama, 1990a
North side of Tolo Channel off the East Headland, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium intermedium Dang, 1965
Vietnam (Dang, 1965).

Corophium kitamorii Nagata, 1965
Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium lamellatum Hirayama, 1990a
Tsim Bei Tsui, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium minyutum Dang, 1965
Vietnam (Dang, 1965).

Corophium mortonii Hirayama, 1990a
Hoi Ha Wan, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium miospinulosum Hirayama, 1990a
Cape D'Aguiar, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium shoemakeri Monod, 1955
Dagatdagatan, Malabon-Navotas, Rizal Province, Luzon, Philippines.

Corophium triangulapedarum Hirayama, 1990a
Mai Po Marshes, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium tridentium Hirayama, 1990a
North side of Tolo Harbour, Hong Kong (Hirayama, 1990a) (Huang, 1994).

Corophium uenoi Stephensen, 1932
Long Ke Wan, Hong Kong (Moore, 1990).

Cyphocarididae, Lysianassoidea

(1 genus - 1 species)

Cyphocaris faurei K.H. Barnard, 1916

Molucca Strait (Pirlot, 1933); northern Makassar Strait, Indonesia (Lowry & Stoddart, 1993).

Dexaminidae

(3 genera - 5 species)

Atylus minikoi (Walker, 1905)

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Guernea (Guernea) sombati Hirayama, 1990b

Kat O Chou, Hong Kong (Hirayama, 1990b) (Huang, 1994).

Guernea (Prinassus) longidactyla Hirayama, 1990b

Hong Kong (Hirayama, 1990b) (Huang, 1994).

Guernea (Prinassus) mackiei Hirayama, 1990b

Kat O Chou, Hong Kong (Hirayama, 1990b) (Huang, 1994).

Paradexamine setigera Hirayama, 1984

Hoi Ha Wan, Hong Kong (Hirayama, 1990b) (Huang, 1994).

Endevouridae, Lysianassoidea

(1 genus, 1 species)

Ensayara sp

About 5 km north-west to west of Ko si Chang, Gulf of Thailand; (Lowry & Stoddart, unpubl.).

Hadziidae (sensu lato)

(10 genera - 19 species)

Ceradocus hawaiiensis J.L. Barnard, 1955

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Ceradocus laevis Olerod, 1970

Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970).

Elasmopus hawaiiensis Schellenberg, 1938

Hong Kong, Daya Bay and adjacent waters (Ren, 1994).

Elasmopus molokai J.L. Barnard, 1970

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Elasmopus pecteniscus (Bate, 1862)

Tolo Harbour, Hong Kong (Moore, 1990); Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Elasmopus spinidactylus (Chevreux, 1908)

Hong Kong, Daya Bay and adjacent waters (Ren, 1994); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Elasmopus spinimanus Walker, 1904
Spratly (Nansha) Islands (Ren, 1991); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Elasmopus sp.
Cape D'Anguilar, Hong Kong (Moore, 1990).

Eriopisa elongata Bruzelius, 1859
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Eriopisella propagatio Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Hornellia incerta Walker, 1904
Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970).

Maera pacifica Schellenberg, 1938
Cape D'Anguilar, Hong Kong (Moore, 1990) (Huang, 1994).

Maera othonides Walker, 1904
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Mallacoota insignis (Chevreux, 1901)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Mallacoota subcarinata (Haswell, 1879)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Melita koreana Stephensen, 1944
Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Melita sp.
Starfish Bay, Tolo Harbour, Hong Kong (Moore, 1990).

Quadrivisio bengalensis Stebbing, 1907
Mangroves, Khlong Pak, Phanang, Gulf of Thailand (Bussarawich, 1985).

Victoriopisa chilkensis (Chilton, 1921)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Hyalidae **(3 genera - 7 species)**

Hyale dollfusi Chevreux, 1911
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Hyale grandicornis (Kroyer, 1845)
Hong Kong (*Hyale* sp. A, Moore, 1990); Hong Kong, Daya Bay and adjacent waters (Ren, 1994)
(Huang, 1994).

Hyale honoluluensis Schellenberg, 1938
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Hyale sp. B (aff. *iole/barbicornis*)
Victoria Harbour, Cape D'Anguilar, Hong Kong (Moore, 1990).

Hyale sp. C (aff. *schmidti*)
Long Ke Wan, Hong Kong (Moore, 1990).

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Parhyale hawaiiensis (Dana, 1853)

Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970); Hong Kong, Daya Bay and adjacent waters (Ren, 1994); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Parhyalella pietschmanni Schellenberg, 1938

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Iciliidae

(1 genus - 1 species)

Icilius ovalis Dana, 1849

Balabac Strait, Sabah, Malaysia (Dana, 1849).

Isaeidae

(5 genera - 6 species)

Cheiriphotis megacheles (Giles, 1885)

Bay of Nha Trang, Vietnam (Imbach, 1967); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Dodophotis digitata (K.H. Barnard, 1935)

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Gammaropsis togoensis (Schellenberg, 1925)

Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Paraphotis sinensis Ren, 1997

Daya Bay, Guangdong Province (Ren, 1997).

Photis sp A

Bay of Nha Trang, Vietnam (Imbach, 1967).

Photis sp B

Bay of Nha Trang, Vietnam (Imbach, 1967).

Ischyroceridae

(2 genera - 3 species)

Erichthonius brasiliensis (Dana, 1853)

Tolo Harbour, Hong Kong (Moore, 1990); Hong Kong, Daya Bay and adjacent waters (Ren, 1994); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Jassa falcata (Montagu, 1802)

Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Jassa sp.

Cape D'Anguilar, Hong Kong (Moore, 1990).

Laphystiopsidae

(1 genus - 1 species)

Laphystiopsis iridometrae Shoemaker, 1919

Near Hong Kong, 21°33'N 116°13'E, about 50 m (Shoemaker, 1919).

Leucothoidae
(2 genera - 6 species)

Leucothoe alata J.L. Barnard, 1959
Hong Kong, Daya Bay and adjacent waters (Ren, 1994) (Huang, 1994).

Leucothoe alcyone Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Leucothoe furina (Savigny, 1816)
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Leucothoe germanalcyone Hirayama, 1992a
Tolo Harbour, Hong Kong (Hirayama, 1992a).

Leucothoe spinicarpa (Abildgaard, 1789)
Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970).

Leucothoella bannwarthi Schellenberg, 1928
Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970); Hainan Island, Vietnam
(Ren cited in Huang, 1994).

Liljeborgiidae
(2 genera - 4 species)

Idunella janisae Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Idunella pauli Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Idunella serra Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Liljeborgia serrata Nagata, 1965
South China Sea (Huang, 1994).

Lysianassidae, Lysianassoidea
(5 genera - 7 species)

Lysianassa cinghalensis (Stebbing, 1897)
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Lysianassa coelocheir (Walker, 1904)
Singapore (Lowry & Stoddart, unpubl.).

Onesimoides castellatus Lowry & Stoddart, 1993
North of Lubang Island, Philippine Islands (Lowry & Stoddart, 1993).

Onesimoides mindoro Lowry & Stoddart, 1993
North of Lubang Island, Philippine Islands (Lowry & Stoddart, 1993).

Scolopostoma sp.
Singapore (Lowry & Stoddart, unpubl.).

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Socarnopsis dissimulantia (Imbach, 1967)
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Waldeckia nudum (Imbach, 1967) new combination
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994); Singapore (Lowry & Stoddart, unpubl);
about 5 km off Ko si Chang, Gulf of Thailand; (Lowry & Stoddart, unpubl.).

Megaluropidae
(1 genus - 1 species)

Megaluropus agilis Hoek, 1889
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Oedicerotidae
(4 genera - 7 species)

Hongkongvena memoria Hirayama, 1992c
Hong Kong (Hirayama, 1992c).

Oediceroides ornithorhynchus Pirlot, 1932
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Perioculodes meridichinensis Hirayama, 1992c
Hong Kong (Hirayama, 1992c).

Synchelidium ampliforbicum Hirayama, 1992c
Hong Kong (Hirayama, 1992c).

Synchelidium miraculum Imbach, 1967
Bay of Nha Trang, Vietnam (Imbach, 1967) (Huang, 1994).

Synchelidium nonmiraculum Hirayama, 1992c
Hoi Ha Wan, Mai Po Marshes, Hong Kong (Hirayama, 1992c).

Synchelidium nonrostrum Hirayama, 1992c
Hong Kong (Hirayama, 1992c).

Paracalliopiidae
(1 genus - 2 species)

Paracalliope indica K.H. Barnard, 1935
Mangroves, Khlong Pawong, Gulf of Thailand (Bussarawich, 1985).

Paracalliope karitane J.L. Barnard, 1972
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Phoxocephalidae
(3 genera - 3 species)

Harpiniopsis hayashisanae Hirayama, 1992b
Tolo Channel, Hong Kong (Hirayama, 1992b).

Metaphoxus fultoni asiaensis Hirayama, 1992b
Kat O Chau, Three fathoms Cove, Hong Kong (Hirayama, 1992b).

Paraphoxus oculatus (G.O. Sars, 1879)
Kato Chau, Mai Po Marshes, Starfish Bay, Hong Kong (Hirayama, 1992b).

Platyischnopidae
(1 genus - 1 species)

Indischnopus redangi Othman & Morino, 1996
Pulau Redang, Malaysia (Othman & Morino, 1996)

Podoceridae
(1 genus - 3 species)

Podocerus inconspicuus (Stebbing, 1888)
Hainan Island, Vietnam (Ren cited in Huang, 1994).

Podocerus umigame Yamato, 1992
Hong Kong, Daya Bay and adjacent waters (Ren, 1994).

Podocerus sp.
Cape D'Aguilar, Hong Kong (Moore, 1990).

Scopelocheiridae, Lysianassoidea
(1 genus - 1 species)

Eucallisoma barnardi Lowry & Stoddart, 1993
Verde Island Passage, Philippine Islands (Lowry & Stoddart, 1993).

Stenothoidae
(1 genus - 1 species)

Stenothoe gallensis Walker, 1904
Hong Kong, Daya Bay and adjacent waters (Ren, 1994).

Talitridae
(4 genera - 6 species)

Floresorchestia anomala (Chevreux, 1901)
Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970); Hainan Island, Vietnam
(Ren cited in Huang, 1994).

Floresorchestia sp.
Mangroves, Khlong Pak Phanang, Gulf of Thailand (Bussarawich, 1985).

Microrchestia sp.
Mangroves, Khlong Pak Phanang, Gulf of Thailand (Bussarawich, 1985).

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Platorchestia platensis (Kroyer, 1845)

Mai Po, Hong Kong (Moore, 1990); Hainan Island, Vietnam (Ren cited in Huang, 1994).

Talorchestia martensii (Weber, 1892)

Hainan Island, Vietnam (Ren cited in Huang, 1994).

Talorchestia mindorensis Olerod, 1970

Puerto Galera, Mindoro, Philippine Islands South China Sea (Olerod, 1970).

Trischizostomatidae, Lysianassoidea
(1 genus - 1 species)

Trischizostoma crosnieri Lowry & Stoddart, 1993

Verde Island Passage, Philippine Islands (Lowry & Stoddart, 1993).

Uristidae, Lysianassoidea
(1 genus - 1 species)

Ichnopus wardi Lowry & Stoddart, 1992

Mindanao, Philippine Islands (Lowry & Stoddart, 1992).

Urothoidae
(1 genus - 6 species)

Urothoe carda Imbach, 1967

Bay of Nha Trang, Vietnam (Imbach, 1967).

Urothoe chosani Hirayama, 1992b

Kat O Chau, Hong Kong (Hirayama, 1992b).

Urothoe cuspis Imbach, 1967

Bay of Nha Trang, Vietnam (Imbach, 1967).

Urothoe gelasina Imbach, 1967

Bay of Nha Trang, Vietnam (Imbach, 1967).

Urothoe orientalis Gurjanova, 1938

Bay of Nha Trang, Vietnam (Imbach, 1967).

Urothoe spinidigitus Walker, 1904

Bay of Nha Trang, Vietnam (Imbach, 1967).

HYPERIIDAE

Anapronoidae
(1 genus - 1 species)

Anapronoe reinhardti Stephensen, 1925

South China Sea (Shih & Chen, 1995).

Brachyscelidae
(2 genera - 4 species)

Brachyscelus cruscolum Bate, 1861

South China Sea (Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Lin & Chen, 1988; Zhang, 1991; Shih & Chen, 1995).

Brachyscelus globiceps (Claus, 1879b)

South China Sea (Chen et al., 1979; Chen, 1983; Shih & Chen, 1995).

Brachyscelus rapax (Claus, 1871)

South China Sea (Chen, 1983; Shih & Chen, 1995).

Thamneus rostratus Bovallius, 1887a

South China Sea (Shih & Chen, 1995).

Cystisomatidae
(1 genus - 1 species)

Cystisoma fabricii Stebbing, 1888

South China Sea (Sudara, 1973; Shih & Chen, 1995).

Hyperiididae
(8 genera - 18 species)

Hyperietta luzoni (Stebbing, 1888)

South China Sea (Chen et al., 1978; Lin & Chen, 1988; Song et al., 1979; Shih & Chen, 1995).

Hyperietta vosseleri (Stebbing, 1888)

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Hyperietta stebbingi Bowman, 1973

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Hyperietta stephensi Bowman, 1973

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Hyperioides longipes Chevreux, 1900

South China Sea (Chen et al., 1987; Zhang, 1991; Shih & Chen, 1995).

Hyperioides sibaginis (Stebbing, 1888)

South China Sea (Bovallius, 1889; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Hyperionyx macrodactylus (Stephensen, 1924)

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Hyperoche martinezi (Muller, 1864)

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Hyperoche medusarum (Kroyer, 1838)

South China Sea (Chen, 1978b; Song et al., 1979; Shih & Chen, 1995).

Laxohyperia vespuliformis Vinogradov & Volkov, 1982

South China Sea (Lin & Chen, 1988; Vinogradov et al., 1982; Shih & Chen, 1995).

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Lestrigonus bengalensis Giles, 1887

South China Sea (Song et al., 1979; Chen, 1983; Shih & Chen, 1995).

Lestrigonus crucipes (Bovallius, 1889)

South China Sea (Lin J. & Chen, 1988; Shih & Chen, 1995).

Lestrigonus latissimus (Bovallius, 1889)

South China Sea (Song et al., 1979; Chen, 1983; Shih & Chen, 1995).

Lestrigonus macrophthalmus (Vosseler, 1901)

South China Sea (Chen et al., 1978; Chen, 1978a, 1983; Song et al., 1979; Shih & Chen, 1995).

Lestrigonus schizogeneios (Stebbing, 1888)

South China Sea (Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Chen, 1988; Li & Chen, 1988; Shih & Chen, 1995).

Lestrigonus shoemakeri Bowman, 1973

South China Sea (Shih & Chen, 1995).

Phronimopsis spinifera (Claus, 1879a)

South China Sea (Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Themistella fusca (Dana, 1853)

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Lanceolidae

(1 genus - 5 species)

Lanceola intermedia Vinogradov, 1957

South China Sea (Shih & Chen, 1995).

Lanceola pacifica Stebbing, 1888

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Lanceola pirloti Shoemaker, 1945

South China Sea (Shih & Chen, 1995).

Lanceola sayana Bovallius, 1885

South China Sea (Shih & Chen, 1995).

Lanceola serrata Bovallius, 1885

South China Sea (Shih & Chen, 1995).

Lycaeidae

(2 genera - 6 species)

Lycaea bajensis Shoemaker, 1925

South China Sea (Chen, 1983; Shih & Chen, 1995).

Lycaea bovalloides Stephensen, 1925

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Lycaea pachypoda (Claus, 1879b)

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Lycaea pulex Marion, 1874

South China Sea (Irie, 1958, 1959; Chen et al., 1978; Chen et al., 1979; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Lycaea vincentii Stebbing, 1888

South China Sea (Chen, 1978a, 1983; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Simorhynchotus antennarius (Claus, 1871)

South China Sea (Fage, 1960; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Lycaeopsidae
(1 genus - 2 species)

Lycaeopsis themistoides Claus, 1879b

South China Sea (Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Lin & Chen, 1988; Shih & Chen, 1995).

Lycaeopsis zamboangae (Stebbing, 1888)

South China Sea (Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Oxycephalidae
(8 genera - 15 species)

Calamorhynchus pellucidus Streets, 1878

South China Sea (Fage, 1960; Sudara, 1973; Lin & Chen, 1988; 1991; Shih & Chen, 1995).

Cranocephalus scleroticus (Streets, 1878)

South China Sea (Fage, 1960; Sudara, 1971, 1973; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Zhang, 1991; Shih & Chen, 1995).

Glossocephalus milneedwardsi Bovallius, 1887a

South China Sea (Fage, 1960; Sudara, 1973; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Leptocotis tenuirostris (Claus, 1871)

South China Sea (Sudara, 1973; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Zhang, 1991; Shih & Chen, 1995).

Oxycephalus clausi Bovallius, 1887a

South China Sea (Fage, 1960; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Oxycephalus latirostris Claus, 1879b

South China Sea (Fage, 1960; Sudara, 1973; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Oxycephalus piscator H. Milne Edwards, 1830

South China Sea (Colosi, 1918; Fage, 1960; Sudara, 1973; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Rhabdosoma armatum (H. Milne Edwards, 1840)

South China Sea (Fage, 1960; Sudara, 1971, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Rhabdosoma brevicaudatum Stebbing, 1888

South China Sea (Fage, 1959, 1960; Chen et al., 1978; Chen et al., 1989; Shih & Chen, 1995).

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Rhabdosoma minor Fage, 1954

South China Sea (Fage, 1960; Sudara, 1971, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Streetsia challengerii Stebbing, 1888

South China Sea (Fage, 1960; Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Streetsia porcella (Claus, 1879b)

South China Sea (Fage, 1960; Sudara, 1973; Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Streetsia mindanaonis (Stebbing, 1888)

South China Sea (Fage, 1960; Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Streetsia steenstrupi (Bovallius, 1887a)

South China Sea (Fage, 1960; Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Tullbergella cuspidata Bovallius, 1887a

South China Sea (Colosi, 1918; Sudara, 1973; Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Paraphronimidae (1 genus - 2 species)

Paraphronima crassipes Claus, 1879a

South China Sea (Sudara, 1973; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995)

Paraphronima gracilis Claus, 1879a

South China Sea (Sudara, 1973; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995)

Parascelidae (3 genera - 3 species)

Parascelus edwardsi (Claus, 1879b)

South China Sea (Chen, 1979; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Schizoscelus ornatus Claus, 1879b

South China Sea (Shih & Chen, 1995).

Thyropus sphaeroma (Claus, 1879b)

South China Sea (Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Phronimidae (2 genera - 8 species)

Phronima atlantica Guérin-Méneville, 1836a

South China Sea (Shih, 1969; Sudara, 1972; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Phronima bucephala Giles, 1887

South China Sea (Lin & Chen, 1988; Zhu et al., 1991; Shih & Chen, 1995).

Phronima colletti Bovallius, 1887a

South China Sea (Chen et al., 1978; Chen et al., 1989; Lin & Chen, 1988; Shih, 1969; Song et al., 1979; Shih & Chen, 1995).

Phronima curvipes Vosseler, 1900

South China Sea (Shih, 1969; Sudara, 1972, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Phronima pacifica Streets, 1877

South China Sea (Shih, 1969; Sudara, 1972; Chen et al., 1978; Lin & Chen, 1988; Shih & Chen, 1995).

Phronima sedentaria (Forskål, 1775)

South China Sea (Shih, 1969; Sudara, 1972; Chen et al., 1978; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Phronima solitaria Guérin-Méneville, 1836

South China Sea (Shih, 1969; Sudara, 1972; Chen et al., 1978; Lin & Chen, 1988; Shih & Chen, 1995).

Phronimella elongata (Claus, 1862)

South China Sea (Shih, 1969; Sudara, 1972, 1973; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Phrosinidae

(3 genera - 5 species)

Anchylomera blossevillii Milne Edwards, 1830

South China Sea (Chen et al., 1978; Chen, 1978a, 1983; Song et al., 1979; Lin & Chen, 1988; Shih & Chen, 1995).

Phrosina semilunata Risso, 1822

South China Sea (Chen et al., 1978; Chen et al., 1979; Chen et al., 1989; Chen 1983; Song et al., 1979; Shih & Chen, 1995).

Primno abyssalis (Bowman in Fulton, 1968)

South China Sea (Chen et al., 1978; Chen et al., 1989; Chen, 1978b; Song et al., 1979; Lin & Chen, 1988; Zhang, 1991; Shih & Chen, 1995).

Primno brevidens Bowman, 1978

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Primno latreillei Stebbing, 1888

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Platyscelidae

(5 genera - 13 species)

Amphithyrus bispinosus Claus, 1879b

South China Sea (Stephensen, 1925; Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Li, 1990; Shih & Chen, 1995).

Amphithyrus glaber Spandl, 1924

South China Sea (Shih & Chen, 1995).

Amphithyrus muratus Volkov in Vinogradov et al., 1982

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

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Amphithyrus sculpturatus Claus, 1879b

South China Sea (Chen, 1979; Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Hemityphis tenuimanus Claus, 1879b

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Paratyphis maculatus Claus, 1879b

South China Sea (Shih & Chen, 1995).

Paratyphis parvus Claus, 1887

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Paratyphis spinulosus Spandl 1924

South China Sea (Stephensen, 1925; Shih & Chen, 1995).

Platyscelus armatus (Claus, 1879b)

South China Sea (Chen et al., 1978; Song et al., 1979; Shih & Chen, 1995).

Platyscelus ovoides (Risso, 1816)

South China Sea (Chen et al., 1978; Chen et al., 1989; Song et al., 1979; Shih & Chen, 1995).

Platyscelus serratulus Stebbing, 1888

South China Sea (Irie, 1959; Chen et al., 1978; Chen et al., 1979; Chen et al., 1987; Chen et al., 1989; Chen, 1979; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Tetrathyrus arafurae Stebbing, 1888

South China Sea (Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Tetrathyrus forcipatus Claus, 1879b

South China Sea (Irie, 1957; Chen et al., 1978, 1987, 1989; Chen, 1983; Lin & Chen, 1988; Shih & Chen, 1995).

Pronoidae

(4 genera - 11 species)

Eupronoe armata Claus, 1879b

South China Sea (Shih & Chen, 1995).

Eupronoe intermedia Stebbing, 1888

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Eupronoe laticarpa Stephensen, 1925

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Eupronoe maculata Claus, 1879b

South China Sea (Chen et al., 1978; Chen et al., 1979; Chen et al., 1989; Chen, 1978a; Chen, 1979, 1982; Song et al., 1979; Lin & Chen, 1988; Zhang, 1991; Shih & Chen, 1995).

Eupronoe minuta Claus, 1879b

South China Sea (Chen et al., 1978; Chen et al., 1987; Chen et al., 1989; Song et al., 1979; Chen, 1983; Lin & Chen, 1988; Zhang, 1991; Shih & Chen, 1995).

Paralycaea hoylei Stebbing, 1888

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995 as *Paralycaea gracilis* Claus, 1879b).

Parapronoe campbelli Stebbing, 1888

South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Parapronoe crustulum Claus, 1879b
South China Sea (Chen et al., 1978; Shih & Chen, 1995).

Parapronoe elongata Semenova, 1981
South China Sea (Shih & Chen, 1995).

Parapronoe parva Claus, 1879b
South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Pronoe capito Guérin-Méneville, 1836b
South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Scinidae
(2 genera - 14 species)

Acanthoscina acanthodes (Stebbing, 1895)
South China Sea (Shih & Chen, 1995).

Scina crassicornis (Fabricius, 1775)
South China Sea (Shih & Chen, 1995).

Scina borealis (Sars, 1882)
South China Sea (Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Scina curvidactyla Chevreux, 1914
South China Sea (Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Scina damasii Pirlot, 1929
South China Sea (Sudara, 1973; Shih & Chen, 1995).

Scina incerta Chevreux, 1900
South China Sea (Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Scina marginata Bovallius, 1885
South China Sea (Sudara, 1973; Zeidler, 1990; Shih & Chen, 1995).

Scina nana Wagler, 1926
South China Sea (Lin & Chen, 1988; Zeidler, 1990; Shih & Chen, 1995).

Scina ratrayi Stebbing, 1895
South China Sea (Sudara, 1973; Shih & Chen, 1995).

Scina similis Stebbing, 1895
South China Sea (Sudara, 1973; Lin & Chen, 1988; Shih & Chen, 1995).

Scina spinosa Vosseler, 1901
South China Sea (Shih & Chen, 1995).

Scina stenopus Stebbing, 1895
South China Sea (Sudara, 1973; Shih & Chen, 1995).

Scina submarginata Tattersall, 1906
South China Sea (Sudara, 1973).

Scina tullbergi Bovallius, 1885
South China Sea (Sudara, 1973; Lin & Chen, 1988; Zeidler, 1990; Shih & Chen, 1995).

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Tryphanidae **(1 genus - 1 species)**

Tryphana malmi Boeck, 1871
South China Sea (Lin & Chen, 1988; Shih & Chen, 1995).

Vibiliidae **(1 genus - 10 species)**

Vibilia armata Bovallius, 1887b
South China Sea (Sudara, 1973; Chen et al., 1978; Song et al., 1979; Chen 1983; Lin & Chen, 1988; Shih & Chen, 1995)

Vibilia australis Stebbing, 1888
South China Sea (Sudara, 1973; Chen, 1987; Lin & Chen, 1988; Shih & Chen, 1995)

Vibilia chuni Behning & Woltereck, 1912
South China Sea (Sudara, 1973; Chen, 1978a, 1983; Song et al., 1979; Lin, J & Chen, 1988; Shih & Chen, 1995)

Vibilia cultripes Vosseler, 1901
South China Sea (Chen et al., 1978; Lin & Chen, 1988; Shih & Chen, 1995)

Vibilia gibbosa Bovallius, 1887b
South China Sea (Chen et al., 1978, 1989; Song et al., 1979; Shih & Chen, 1995).

Vibilia longicarpus Behning, 1913
South China Sea (Shih & Chen, 1995)

Vibilia propinqua Stebbing, 1888
South China Sea (Chen, 1983; Shih & Chen, 1995)

Vibilia pyripes Bovallius, 1887a
South China Sea (Sudara, 1973; Chen et al., 1978, 1989; Chen 1983; Shih & Chen, 1995)

Vibilia stebbingi Behning & Woltereck, 1912
South China Sea (Chen, R., 1978b, 1983; Sudara, 1973; Shih & Chen, 1995)

Vibilia viatrix Bovallius, 1887a
South China Sea (Chen et al., 1978; Shih & Chen, 1995)

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ADDENDUM

Recently Vachira Lheknim, Prince of Songkla University, Hat Yai, Thailand, showed me two papers, one by Chilton (1925) on a small collection of amphipods from Songkla Lake (referred to as Talé Sap), Gulf of Thailand and one by Tattersall (1922), which records one amphipod species from Singapore. The addition of these species brings the total number of amphipods known from the South China Sea to 115 genera and 279 species and the total number of gammaridean amphipods to 69 genera and 160 species. Some of the identifications in Chilton (1925) should be regarded as highly suspect. For instance *Amphilochus brunneus* Della Valle, 1893 (originally described from the Gulf of Naples, Mediterranean Sea), *Periocolodes longimanus* Bate & Westwood, 1868 (originally described from Banff, Scotland, North Sea) and *Photis longicaudata* Bate & Westwood, 1862 (originally described from the Shetland Islands, Northeastern Atlantic Ocean) are recorded from Songkla Lake with no illustrations to justify his identifications.

Amphilochidae: ?*Amphilochus brunneus* Della Valle, 1893. East channel between Kaw Yaw and the mainland, Songkla Lake, Thailand (Chilton, 1925).

Aoridae: *Grandidierella gilesi* Chilton, 1921. Songkla Lake, Thailand (Chilton, 1925). *Grandidierella megnae* (Giles, 1888). Songkla Lake, Thailand (Chilton, 1925).

Corophiidae: *Corophium crassicorne* Bruzelius, 1859. Songkla Lake, Thailand (Chilton, 1925).

Hadziidae (sensu lato): *Quadriovisio bengalensis* Stebbing, 1907. Songkla Lake, Thailand (Chilton, 1925). *Victoriopisa chilkensis* (Chilton, 1921). Songkla Lake, Thailand (Chilton, 1925).

Hyalidae: ?*Hyale kuriensis* Chevreux, 1904. Songkla Lake, Thailand (Chilton, 1925 as *Hyale brevipes*).

Isaeidae: *Gammaropsis insignis* (Chilton, 1925). Songkla Lake, Thailand (Chilton, 1925). ?*Photis longicaudata* Bate & Westwood, 1863. Songkla Lake, Thailand (Chilton, 1925).

Oedicerotidae: ?*Periocolodes longimanus* Bate & Westwood, 1868. Ban Lein Chak, Songkla Lake, Thailand (Chilton, 1925).

Talitridae: *Talorchestia gracilis* (Dana, 1852). Kaw Deng, Songkla Lake, Thailand (Chilton, 1925). *Floresorchestia anomala* (Chevreux, 1901). Botanical Gardens, Singapore (Tattersall, 1922 as *Talorchestia malayensis* Tattersall, 1922).

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