

CATALOGUE OF INDO-WEST PACIFIC PONTONIINE SHRIMPS

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The present bibliography is a compilation as complete as possible of publications reporting on Indo Pacific Pontoniine Shrimps, which contains many commensal species.

The reality: Systematics is a confusing subject, especially when somebody is not a specialist for the respective animal taxon and only attempts to assign his material to a certain species. New species and subspecies are described, others are synonymized, or subspecies are raised to species level - with the result, that often more than one name exists for one species. Descriptions are sometimes too poor to allow a reliable determination. Few revisions or reviews exist, the major part of publications is scattered in many journals. Indeed, the most comprehensive contributions for the shrimps from the Indo-West Pacific are still the results of the Siboga-Expedition published by Holthuis (1947, 1950, 1952). Numerous short papers were published by Bruce since 1965. It is therefore the intention of this catalogue to summarize primarily the information since Holthuis' publications and to provide at least one reference that allows a determination of the respective species, with further information on geographical distribution, depth range, habitat preference and host.

Little attempts have been made to rectify taxonomic errors, or to solve the various problems that exist. Families, genera and species are arranged in alphabetic order. This compilation was made primarily as an aid for myself to seize the information available for shallow water Indo-Pacific shrimps as the needed background information for faunistic and ecological research programs undertaken or planned in the near future. It may help ecologists to obtain information about "what was made" in this group in the past decades and curators in museums to manage their collection of Caridean shrimps. Old literature is often ignored when more recent publications provide detailed redescriptions and a summary of the data for the respective species exists.

With the search function of "Word Perfect" you have easy access to the respective taxa, even when only older names/synonyms are available.

Users should keep in mind, that we have a considerable steady increase of information within a short time. Thus, to avoid unnecessary inflation of the volume of this catalogue, I tried to include only substantial new information. For example,

when a species is mentioned only in a key in a certain paper, this is not noted in the literature-list under the respective species. When you are searching for keys to genera or species, you should check the information given for the subfamily, or genera to determine species.

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How to use this catalogue in your Computer

To look for a certain species with the search function of "Word Perfect", you should mind the following hints:

1. Typewrite the complete name of the species you are looking for, but without the name of the author and date of the year. Ignore subspecies and varieties. With this method you should be able to locate a certain species, even when only an older name is available to you. To avoid problems with erroneous identifications I suggest to use for identification only the most detailed, recent literature. The often antiquated older literature should remain the playground of taxonomists.

2. To locate host-groups in the commensal species, typewrite only the latin name, i.e. use Porifera instead of sponges, Echinoidea instead of sea urchins. When searching for a certain host species, typewrite the genus and species name, but ignore author and date of the year.

3. To locate certain countries use only the current name, i.e. Sri Lanka instead of Ceylon, Taiwan instead of Formosa. I found it too problematic in this catalog to summarize in each case the species known from a certain country, because many species are widely distributed in the Indo-Pacific and often can not be assigned to a certain country, when they have been caught offshore. Localities are sometimes not listed in all detail for the most common species with a wide distribution in the Indo-Pacific.

SOME GENERAL REFERENCES ON INDO-PACIFIC CARIDEA

- 1953 Holthuis, Atoll. Res. Bull., 24: 51-60 [enumeration of shrimps from Pacific Coral Islands].
 1961 Johnson, Bull. natn. Mus., Singapore, 30: 61-77, pl. 2 [general remarks and key to Malayan Caridea, distribution tables].
 1967 Ledoyer, Rec. trav. sta. mar. d'Endoume-Marseille, suppl. 8: 66-87 [ecology of prawns inhabiting sea weeds at Tuléar, Madagascar].

- 1967 Patton, Proc. Symp. Crustacea, Ernakulam, 1965: 1228-1243 [general account on commensal crustaceans].
- 1972 Bruce, Crustaceana, 23: 302 [tabulation of caridean-jellyfish associations].
- 1974 Bruce, Crustaceana, 27: 108-109 [remarks and list of shrimps occurring in both the Atlantic and Indo-West Pacific].
- 1976 Bruce, Zool. Verh., Leiden, 145: 61-67 [general remarks on zoogeography and commensalism of shrimps from Kenya].
- 1976 Bruce, Micronesica, 12 (1): 83-98 [general remarks on coral reef shrimps and "commensalism", shrimp-host associations, host specificity, adaptations, life histories, incidence of tropical caridean commensalism, overview of the shallow water tropical fauna].
- 1976 Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [!THE MOST IMPORTANT GENERAL INFORMATION ON COMMENSAL SHRIMPS FROM CORAL REEFS!].
- 1976 Johnson, J. Mar. Biol. Ass. India, 18 (1): 47-51 [general remarks on prawns from the Malacca Straits and Singapore].
- 1977 Suzuki & Hayashi, Publ. Seto mar. biol. Lab., 24 (1/3): 198-205 [general remarks on relationships between shrimps and sea anemones, tab. 3, p. 202 tabulation of Indo-West Pacific shrimp-sea anemone associations].
- 1978 Bruce, Inform. Ser. Dep. sci. ind. Res. N.Z., 137: 337-355 [shallow water tropical shrimps, evolution and zoogeography].
- 1982 Bruce, Mem. Austr. Mus., 16: 191-216 [most detailed compilation of shrimps associated with Indo-West Pacific echinoderms, including keys to genera and species, as well as host records].
- 1983 Black & Prince, - J. Biogeogr., 10: 135-152 [species associated with coral *Pocillopora damicornis* in W-Australia].
- 1983 Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 8 [key to families of shallow-water caridean shrimps in the Gulf of California], key to palaemonid species from the same area]
- 1984 Bruce, Monogr. Biol., 55: 142-166 [checklist of the Caridea of the Seychelles Islands].
- 1984 Ledoyer, Zool. Verh., Leiden, 211: 46-55 [ecology of Caridea in New Caledonian seagrass habitats, comparisons with other Indo-Pacific areas].
- 1986 Bruce, J. Crust. Biol., 6 (3): 466-469 [remarks, key to revised subfamilies of Palaemonidae].
- 1988 Bruce, Zool. J. Linn. Soc., 94: 231 [key to Indo-West Pacific palaemonid genera found in association with Porifera].
- 1988 Castro, Symbiosis, 5: 161-184 [a review of animal symbioses in coral reef communities, commensal symbioses, mutualistic symbioses and parasitic symbioses].
- 1989 Wicksten, Bull. South. Calif. Acad. Sci., 88 (1): 11-20 [key to palaemonid shrimps of the Eastern Pacific].

MAJOR REFERENCES ON INDO-PACIFIC PONTONIINAE

- 1917 Borradaile, Trans. Linn. Soc. Zool., 17 (2): 325-352 [general remarks, key to genera].
- 1922 Kemp, Rec. Indian Mus., 24: 113-119 [general remarks, associations], 119-121 [key to genera].
- 1940 Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 31-32 [key to genera].
- 1950 Barnard, Ann. S. Afr. Mus., 38: 791-792 [references].
- 1951 Holthuis, Allan Hancock Found. Occ. Pap., 11: 9-11 [remarks, key to American

- genera].
- 1952 Holthuis, Siboga Exped., 39 (a10) (11): 1-4 [remarks], 4-7 [key to genera and subgenera], 7-22 [list of all species of subfamily known up to then!], 19-21 [species incertae].
- 1958 Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 11-12 [checklist of species from South Africa, key to genera].
- 1967 Bruce, Zool. Verh., 87: 23 [key to genera lacking mandibular palp and exopodite on third maxilliped].
- 1968 Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1167-1170 [phylogeny].
- 1970 Bruce, J. Zool., Lond., 160: 543 [list of species associated with gorgonians].
- 1971 Bruce, Pac. Sci., 25: 542-544, tab. 2 [crinoid hosts and associated shrimps, key to Indo-West-Pacific species].
- 1972 Bruce, Sea Frontiers, 18: 218-227 [popular scientific account on species associated with molluscs].
- 1973 Bruce, Proc. Symp. Corals and Coral Reefs, Mar. Biol. Assoc. India, Mandapam: 390-403 [general remarks], 403-411 [list of host corals and their associates; phylogeny of the Pontoniid coral commensals]; 411-415 [key to Indo-West Pacific Pontoniid shrimps associated with Scleractinian corals].
- 1973 Bruce, Crustaceana, 25: 109 [remarks on holothurian-associated Pontoniinae].
- 1974 Bruce, Crustaceana, 26 (3): 303-306, tab. II [general remarks on echinoid associations, key to Indo-West Pacific *Periclimenes* associated with echinoids and host records Indo-Pacific Pontoniinae living on echinoids].
- 1974 Bruce, J. mar. biol. Ass. India, 16 (2): 462-490 [synopsis of the central East African species].
- 1975 Bruce, Sea Frontiers, 21: 44-53 [popular scientific contribution on species associated with echinoderms].
- 1975 Bruce, Crustaceana, 28 (3): 280-281, tab. 1 [notes on associations with Asteroid echinoderms, host records of species].
- 1975 Bruce, Crustaceana, 29 (2): 149, 161-164 [general remarks on Indo-West Pacific genera living in association with lamellibranch molluscs; list of all the respective species and their hosts].
- 1976 Bruce, Crustaceana, 31 (3): 302, tab. I [comparison between genera *Periclimenaeus*, *Apopontonia* and *Onycocaris*].
- 1976 Bruce, Zool. J. Linn. Soc., 59: 143-150, tab. 8 [synopsis of the pontoniine shrimp fauna of the Seychelle Islands].
- 1977 Bruce, Crustaceana, 32 (3): 307, tab. I [similarities of Indo-West Pacific sponge-inhabiting genera: *Thaumastocaris*, *Periclimenaeus*, *Epipontonia*, *Onycocaris*, *Typton*].
- 1977 Bruce, Atoll Res. Bull., 205: 1-15 [compilation of the hosts of coral-associated Indo-West Pacific Pontoniine shrimps].
- 1978 Bruce, Bull. mar. Sci., 28 (1): 132-133 [associations and distributional notes for many species].
- 1979 Bruce, Cah. Indo-Pac., 1 (2): 242-244 [general remarks on Pontoniinae from the South China Sea].
- 1980 Bruce, Cah. Indo-Pac., 2 (1): 37 [checklist of New Caledonian Pontoniinae and their associations].
- 1981 Bruce, Micronesica, 17 (1): 92-93 [associations of Fijian Pontoniine shrimps].
- 1981 Bruce, Mem. ORSTOM, 91: 213-214 [general remarks on deepwater species].
- 1983 Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 898 [hosts of Indonesian Pontoniine shrimps].
- 1983 Bruce, Austr. Mus. Sydney, Mem., 18: 195-218 [review of the Australian species, including key to genera].
- 1983 Bruce & Svoboda, Zool. Verh., 205: 34, tab. 2 [tabulation of Indo-West Pacific Alcyonarian-associates], 35; 35-42, tab. 3 [general remarks on the

Pontoniine fauna of the Red Sea, tabulation of species, keys to anemone- and alcyonarian-associates.

- 1984 Bruce, Monogr. Biol., 55: 143-150 [checklist of species from the Seychelles].
 1990 Bruce, The Beagle, 7 (2): 13-19 [general remarks on Indo-Pacific Pontoniinae, distribution table of Australian species].

***Allopontonia* Bruce, 1972**

- 1972 *Allopontonia* Bruce, Crustaceana, 22: 1-6 [diagnosis, remarks].

***Allopontonia iaini* Bruce, 1972**

- 1972 *Allopontonia iaini* Bruce, Crustaceana, 22: 7-11, figs. 1-5.
 1974 *Allopontonia iaini*, - Bruce, J. mar. biol. Ass. India, 16 (2): 463.
 1981 *Allopontonia iaini*, - Bruce, Atoll. Res. Bull., 245: 2.
 1982 *Allopontonia iaini*, - Bruce, Mem. Austr. Mus., 16: 204.
 1983 *Allopontonia iaini*, - Bruce, Austr. Mus. Sydney, Mem., 18: 199.
 1987 *Allopontonia iaini*, - Bruce, Crustaceana, 53 (3): 306-307.
 1990 *Allopontonia iaini*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

Distribution: Kenya (Wasin Island); Zanzibar (Harbour); E-Australia (Heron Island); E-Pacific (Mexico: Gulf of California, from El Bajo Seamount, off La Paz).

Depth range: 10-24m.

Habitat: often in coral reef locations.

Host: Echinodermata: Echinoidea. - the temnopleurid sea urchins *Salmaciella dussumieri erythracis* (H.L. Clark) and *Salmacis sphaeroides* (L.).

***Altopontonia* Bruce, 1990**

- 1990 *Altopontonia* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 191-192 [diagnosis, remarks].

***Altopontonia disparostris* Bruce, 1990**

- 1990 *Altopontonia disparostris* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 192-202, figs. 25-33, 39k.
 1990 *Altopontonia disparostris*, - Bruce, The Beagle, 7 (2): 18, tab. 2.
 1991 *Altopontonia disparostris*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 390-391.

Distribution: New Caledonia; Loyalty Islands.

Depth range: 350-503m.

***Amphipontonia* Bruce, 1991**

- 1991 *Amphipontonia* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 381-382 [diagnosis, remarks].

***Amphipontonia kanak* Bruce, 1991**

1991 *Amphipontonia kanak* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 382-390, figs. 58-63.

Distribution: New Caledonia (Norfolk Ridge).
Depth range: 300m.

***Anapontonia* Bruce, 1967**

1967 *Anapontonia* Bruce, Zool. Verh., 87: 2 [diagnosis].

1976 *Anapontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Edean eds.), Academic Press: 82, tab. I [remarks].

Remarks: Monotypic, associated with coral *Galaxea fascicularis* L.

***Anapontonia denticauda* Bruce, 1967**

1967 *Anapontonia denticauda* Bruce, Zool. Verh., 87: 3-13, figs. 1-4.

1971 *Anapontonia denticauda*, - Bruce, Zool. Verh., 114: 20-22, fig. 7.

1974 *Anapontonia denticauda*, - Bruce, J. mar. biol. Ass. India, 16 (2): 463.

1977 *Anapontonia denticauda*, - Bruce, Atoll Res. Bull., 205: 7.

1979 *Anapontonia denticauda*, - Bruce, Cah. Indo-Pac., 1 (2): 237-238.

1983 *Anapontonia denticauda*, - Bruce, Austr. Mus. Sydney, Mem., 18: 199.

1990 *Anapontonia denticauda*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

Distribution: Zanzibar (Pange reef, off west coast; Bawi Island, Fumba, Pamanzi); Comores; Madagascar; Singapore (Pulau Salu, Pulau Sudong); Malaysia (Pulau Perhentian Besar); E-Australia; New Caledonia.

Depth range: 0.1-1m.

Host: Scleractinia. - the oculinid coral *Galaxea fascicularis* (L.).

***Anchiopontonia* Bruce, 1992**

1992 *Anchiopontonia* Bruce, J. nat. Hist., 26: 1274-1276 [diagnosis, remarks].

***Anchiopontonia hurii* (Holthuis, 1981)**

1953 *Pontonia hurii*, - Holthuis, Atoll. Res. Bull., 24: 57 [nomen nudum].

1975 *Pontonia hurii*, - Bruce, Crustaceana, 29 (2): 164 [nomen nudum, text].

1981 *Pontonia hurii* Holthuis, Proc. biol. Soc. Wash., 94 (3): 796-800, fig. 4.

1992 *Anchiopontonia hurii*, - Bruce, J. nat. Hist., 26: 1276-1281, figs. 1-4.

Distribution: Marshall Islands (Arno Atoll); French Polynesia (Tuamotu Archipelago: Tepatahiti Island, Raroia Atoll).

Depth range: 8-10m.

Habitat: coral reefs. - near patch reefs.

Host: Mollusca: Bivalvia. - found in the mantle cavity of *Spondylus* sp.; *Spondylus varius* Sowerby (Spondylidae).

***Anchistus* Borradaile, 1898**

- 1917 *Anchistus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 387-388 [diagnosis, key to species].
 1922 *Anchistus*, - Kemp, Rec. Indian Mus., 24: 247-249 [remarks, key to species].
 1950 *Anchistus*, - Barnard, Ann. S. Afr. Mus., 38: 792 [diagnosis].
 1952 *Anchistus*, - Holthuis, Siboga Exped., 39 (a10) (11): 104-105 [remarks].
 1967 *Anchistus*, - Bruce, Bull. Mus. natn. Hist. nat., 2e sér., 39 (3): 567-568 [key to species].
 1976 *Anchistus*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Mollusca: Bivalvia. - Lamellibranch hosts.

Additional synonymy: *Tridacnocris* Nobili, 1899; *Marygrande* Pesta, 1911; *Ensiger* Borradaile, 1915.

***Anchistus australis* Bruce, 1977**

- 1977 *Anchistus australis* forma *typica* Bruce, Rec. Austr. Mus., 31 (2): 56-62, figs. 7-9.
 1977 *Anchistus australis* forma *dendricauda* Bruce, Rec. Austr. Mus., 31 (2): 56-62, figs. 7-9.
 1980 *Anchistus australis*, - Bruce, Pac. Sci., 34 (4): 395-396, figs. 3-4.
 1983 *Anchistus australis*, - Bourdon, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, no. 3: 867-869 [bopyrid parasite].
 1983 *Anchistus australis*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 892, fig. 10A.
 1983 *Anchistus australis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 199.
 1990 *Anchistus australis*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.
 1991 *Anchistus australis*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 258-259.

Distribution: Indo-West Pacific - Indonesia; Australia (Great Barrier Reef: Heron Island; Capre Cay and Gillet Cay, Swain's Reef; Diamond Islets; Michaelmas Reef); New Caledonia (baie d'Harcourt); Fiji (Ndravuni, Great Astrolabe Reef).

Host: Mollusca: Bivalvia. - *Tridacna* sp., *Tridacna squamosa* Lam., *Tridacna whitleyi* Irdeale (Tridacnidae, Lamellibranchia).

Remarks: The bopyrid isopod *Bopyrina platylobata* Bourdon, 1983 is known as parasite in the Molluccas.

***Anchistus custoides* Bruce, 1977**

- 1977 *Anchistus custoides* Bruce, Rec. Austr. Mus., 31 (2): 50-56, figs. 4-6.
 1981 *Anchistus custoides*, - Bruce, Atoll. Res. Bull., 245: 2-3.

- 1983 *Anchistus custoides*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 892.
 1983 *Anchistus custoides*, - Bruce, Austr. Mus. Sydney, Mem., 18: 199.
 1990 *Anchistus custoides*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

Distribution: E-Australia (Great Barrier Reef: Gillet Cay, Swains Reef; Heron Island, One Tree Island, Capricorn Group); Japan; Micronesia (Palau Islands); Indonesia; Caroline Islands.
 Depth range: 3-6m.

Host: Mollusca: Bivalvia. - *Pteria* (*Avicula*) sp. (*Pteriidae*, Lamellibranchia); *Atrina vexillum* (Born).

***Anchistus custos* (Forsk., 1775)**

- 1950 *Anchistus inermis*, - Barnard, Ann. S. Afr. Mus., 38: 792-793, fig. 150a-d.
 1952 *Anchistus custos*, - Holthuis, Siboga Exped., 39 (a10) (11): 105-109, figs. 43-44.
 1961 *Anchistus custos*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
 1966 *Anchistus custos*, - Johnson & Liang, J. Zool., Lond., 150: 433-455: figs. 1-10 [biology, distribution].
 1968 *Anchistus custos*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 415-417.
 1974 *Anchistus custos*, - Bruce, J. mar. biol. Ass. India, 16 (2): 464.
 1975 *Anchistus custos*, - Bruce, Crustaceana, 29 (2): 160, fig. 7.
 1976 *Anchistus custos*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 31.
 1977 *Anchistus custos*, - Bruce, Rec. Austr. Mus., 31 (2): 47.
 1977 *Anchistus custos*, - Bruce, Crustaceana, 33 (2): 174.
 1978 *Anchistus custos*, - Bruce, Zool. J. Linn. Soc., 62: 279.
 1979 *Anchistus custos*, - Bruce, Cah. Indo-Pac., 1 (2): 231-232.
 1982 *Anchistus custos*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 264-265, fig. 19.
 1983 *Anchistus custos*, - Bruce, Austr. Mus. Sydney, Mem., 18: 199.
 1987 *Anchistus custos*, - Morton, Asian Mar. Biol., 4: 129-140, figs. 1, 2A, 3, 5-9, tab. 1 [biology, distribution].
 1989 *Anchistus custos*, - Bruce, Asian Mar. Biol., 6: 178.
 1990 *Anchistus custos*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Loheia; Suakin); Mocambique; Kenya (Gazi); Zanzibar (Chukwani, Mazizini, Migombani, Murogo reef, Chapani Island); Madagascar (Tuléar); South Africa (Delagoa Bay); Sri Lanka; Andaman Islands; Nicobar Islands; Mergui Archipelago; Singapore; Malaysia (Pulau Bidem, Penang); Indonesia; Philippines (Jingutangan Island, NW of Bohol Island, Visayan Sea); Hong Kong (Mirs Bay near Peak Rock); Taiwan; Australia (Horsehoe Bay, Magnetic Island; Gillet Cay, Swains Reef; Monte Bello Islands; Sharks Bay; St. Vincent's Gulf; Port Molle; Bowen; Low Isles); Palau Islands; Fiji; Santa Cruz Islands.

Depth range: intertidal-27m.

Habitat: on sandy beaches and muddy-sandy beaches.

Host: Mollusca: Bivalvia. - *Pinna bicolor* Chemnitz and *Pinna muricata* L. in Madagascar; *Pinna artropurpurea* (Sowerby); *Atrina vexillum*.

Additional synonymy: *Anchistia aurantiaca* Dana, 1852; *Pontonia inflata* H. Milne-Edwards, 1840; *Harpilius inermis*; *Anchistus inermis* Miers, 1884; *Pontonia pinnae* Ortmann, 1894 (not Lockington, 1878); *Periclimenes (Ensiger) aurantiacus* Borradaile, 1917.

***Anchistus demani* Kemp, 1922**

- 1922 *Anchistus demani* Kemp, Rec. Indian Mus., 24: 256-259, figs. 86-88.
 1953 *Anchistus demani*, - Holthuis, Atoll. Res. Bull., 24: 56.
 1974 *Anchistus demani*, - Bruce, Crustaceana, 27 (2): 200-201.
 1974 *Anchistus demani*, - Bruce, J. mar. biol. Ass. India, 16 (2): 464.
 1976 *Anchistus demani*, - Bruce, Zool. J. Linn. Soc., 59: 147.
 1976 *Anchistus demani*, - Bruce, Zool. Verh., Leiden, 145: 22.
 1977 *Anchistus demani*, - Bruce, Rec. Austr. Mus., 31 (2): 50.
 1978 *Anchistus demani*, - Bruce, Bull. mar. Sci., 28 (1): 119.
 1978 *Anchistus demani*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1979 *Anchistus demani*, - Bruce, Cah. Indo-Pac., 1 (2): 232.
 1981 *Anchistus demani*, - Bruce, Atoll. Res. Bull., 245: 3.
 1983 *Anchistus demani*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 893-894.
 1983 *Anchistus demani*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
 1990 *Anchistus demani*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.
 1991 *Anchistus demani*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 259-260, fig. 22.

Distribution: Indo-West Pacific - Andaman Islands (Port Blair); Zanzibar (Chukwani, Mazizini, Migombani, Bawi Island); Kenya (Watamu, Casuarina Point; Ras Iwatine; Kisiti Island); Comores (Mayotte); Seychelles (Aldabra Atoll; Farquhar Island); Madagascar (Tulear); Malaysia (Pulau Susu Dara, Perhentian Islands); Thailand; Indonesia; Australia (Great Barrier Reef: One Tree Island, Capricorn Group); Marshall Islands (Arno Atoll, Ine anchorage); New Caledonia.

Depth range: shallow water,

Habitat: coral reefs. - reef flats and lagoons.

Host: Mollusca: Bivalvia. - *Tridacna* sp., ?*Tridacna crocea* Lamarck, *Tridacna maxima* (Röding); *Tridacna squamosa* (Tridacnidae, Lamellibranchia).

***Anchistus gravieri* Kemp, 1922**

- 1922 *Anchistus gravieri* Kemp, Rec. Indian Mus., 24: 252-255, figs. 82-84.
 1972 *Anchistus gravieri*, - Monod, Cah. Pac., 16: 24, figs. 65-86.
 1977 *Anchistus gravieri*, - Bruce, Rec. Austr. Mus., 31 (2): 47-50, figs. 2-3.
 1983 *Anchistus gravieri*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
 1990 *Anchistus gravieri*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.
 1991 *Anchistus gravieri*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 260, fig. 23.

Distribution: Indo-West Pacific - Australia (West Cay,

Diamond Islets; Herald Islands); Madagascar (Tuléar); New Caledonia (Nouméa, Grand Récif); Polynesia (Vanikoro, Santa Cruz Is.).

Depth range: shallow water.

Host: Mollusca: Bivalvia. - *Hippopus hippopus* (L.) (Lamellibranchiata, Tridacnidae).

Anchistus miersi (De Man, 1888)

- 1917 *Anchistus miersi*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 388, pl. 56, fig. 25.
 1922 *Anchistus miersi*, - Kemp, Rec. Indian Mus., 24: 255-256.
 1940 *Anchistus miersi*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 51-54, figs. 18-20.
 1952 *Anchistus miersi*, - Holthuis, Siboga Exped., 39 (a10) (11): 110-111, fig. 45.
 1953 *Anchistus miersi*, - Holthuis, Atoll. Res. Bull., 24: 56.
 1961 *Anchistus miersi*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
 1968 *Anchistus miersi*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 414-415.
 1972 *Anchistus meirsi* [sic!], - Fankboner, Wasm. J. Biol., 30 (1-2): 35-41, figs. 1-3 [photos].
 1973 *Anchistus miersi*, - Bruce, Crustaceana, 24: 136, fig. 1c-e.
 1974 *Anchistus miersi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 464.
 1975 *Anchistus miersi*, - Crustaceana, 29 (3): 252-254, fig. 1, pl. [morphology of ambulatory pereopods].
 1976 *Anchistus miersi*, - Bruce, Zool. J. Linn. Soc., 59: 117-118, 147.
 1976 *Anchistus miersi*, - Bruce, Zool. Verh., Leiden, 145: 22.
 1976 *Anchistus miersi*, - Monod, Cah. Pac., 19: 24-26, figs. 29-36.
 1977 *Anchistus miersi*, - Bruce, Crustaceana, 33 (2): 174-176, fig. 6a-d.
 1978 *Anchistus miersi*, - Bruce, Bull. mar. Sci., 28 (1): 119.
 1978 *Anchistus miersi*, - Bruce, Zool. J. Linn. Soc., 62: 279.
 1979 *Anchistus miersi*, - Bruce, Cah. Indo-Pac., 1 (2): 232-233.
 1983 *Anchistus miersi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
 1990 *Anchistus miersi*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Ghardaqa; Suakin); Kenya (Casuarina Point near Watamu; Ras Iwatine, Shimoni, Wasin Channel, Wasin Island reef, Kisiti Island); Zanzibar (Chumbe Island, Pange reef, Nyange reef, Chukwani, Mazizini, Migombani, Danzi reef, Murogo reef); Tanganyika (Maziwi); Seychelles (Praslin: Curieuse Bay); Mocambique; Maldives (Funadu Island, North Male Atoll); Comores (Mayotte), Andaman Islands; Chagos Archipelago; Mergui Archipelago (Elphinestone Is.); Madagascar (Nosy Bé); Singapore; Pulau Condore; Malaysia (Pulau Perhentian, Pulau Susu Dara); Borneo Bank; Indonesia; Philippines (Sumilon Island and Alignay, Zamboanga del Norte, near Dipolog); Australia (Tijou Reef); Papua New Guinea; Japan; New Caledonia (Nouméa, Fosse de la Dombá); Ellice Islands; Marshall Islands (; Eniwetok Atoll; Arno Atoll, Ine village); Palau Islands; French Polynesia (Gambier Archipelago).

Depth range: shallow water-34m.

Habitat: coral reefs.

Host: Mollusca: Bivalvia. - *Hippopus hippopus* (L.), *Tridacna* sp., *Tridacna squamosa*, *Tridacna maxima* (Tridacnidae); *Spondylus*; *Pinna*.

Additional synonymy: *Harpilius miersi* De Man, 1888; *Coralioecaris nudirostris* Nobili, 1899.

Anchistus mirabilis (Pesta, 1911)

1911 *Marygrande mirabilis* Pesta, Zool. Anz., 38: 571-575, figs. 1-5.

1922 *Anchistus mirabilis*, - Kemp, Rec. Indian Mus., 24: 252.

Distribution: Samoa.

Remarks: Considered as species incertae by Holthuis (1950, Siboga Exped. Monogr.)

Anchistus ohshimai Kubo, 1949

1982 *Anchistus ohshimai* Kubo, Bull. Biogeogr. Soc. Japan, 14 (6): 26-29, figs. 1-2.

Distribution: Japan (Helen Atoll).

Host: Mollusca: Bivalvia. - *Tridacna gigas*.

Anchistus pectinis Kemp, 1925

1925 *Anchistus pectinis* Kemp, Rec. Indian Mus., 27: 327-330, figs. 19-20.

1936 *Anchistus misakiensis* Yokoya, Jap. J. Zool., 7: 136-138, fig. 5.

1974 *Anchistus pectinis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.

1977 *Anchistus pectinis*, - Bruce, Crustaceana, 33 (2): 275-176, fig. 6e.

1983 *Anchistus pectinis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.

1990 *Anchistus pectinis*, - Bruce, The Beagle, 7 (2): 15, tab. 1, 18, tab. 2.

1991 *Anchistus pectinis*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 261, fig. 24.

1991 *Anchistus pectinis*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 378-381, figs. 56-57, 71d-f.

Distribution: Indo-West Pacific - Nicobar Islands (Nancowry Harbour); Zanzibar (Chumbe Island, Mbwani); Australia (70 km E of Townsville, 10 km E of Magnetic Island; Keppel Bay; off Townsville; Bowden Reef); Japan; New Caledonia (Récif de l'Arche d'Alliance; île Ouen, baie du Prony; Lagon Nord-Ouest; Koumac).

Depth range: 10-40m.

Host: Mollusca: Bivalvia. - pectinid bivalves; *Amusium japonicum balloti* Bernardi (Pectinidae).

Apopontonia Bruce, 1976

1976 *Apopontonia* Bruce, Crustaceana, 31 (3): 301-303 [diagnosis, remarks].

***Apopontonia dubia* Bruce, 1981**

- 1981 *Apopontonia dubius* Bruce, *Crustaceana*, 41 (3): 225-232, figs. 1-3.
 1983 *Apopontonia dubia*, - Bruce, *Crustaceana*, 45 (1): 210-213, fig. 1.
 1983 *Apopontonia dubia*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 200.
 1990 *Apopontonia dubia*, - Bruce, *The Beagle*, 7 (2): 9-10, 15, tab. 1, 18, tab. 2.
 1991 *Apopontonia dubia*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 258.

Distribution: Madagascar; Australia (Queensland: Shag Rock, off North Stradbroke Island; Heron Island; One Tree Island; Capricorn Islands); New Caledonia.

Depth range: 12-43m.

Habitat: coral reefs.

Host: Porifera. - *Ircinia* cf. *echinata* (Keller), *Spongia* sp.

***Apopontonia falcirostris* Bruce, 1976**

- 1976 *Apopontonia falcirostris* Bruce, *Crustaceana*, 31 (3): 303-311, figs. 1-5.
 1978 *Apopontonia falcirostris*, - Bruce, *Zool. J. Linn. Soc.*, 62: 287 [text].
 1981 *Apopontonia falcirostris*, - Bruce, *Atoll. Res. Bull.*, 245: 3.
 1990 *Apopontonia falcirostris*, - Bruce, *The Beagle*, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: off Madagascar; E-Australia (Heron Island).

Depth range: 10-73m

Host: Porifera. - in *Psammascus* sp.

***Apopontonia tridentata* Bruce, 1988**

- 1988 *Apopontonia tridentata* Bruce, *J. nat. Hist.*, 22: 1270-1276, figs. 4-7.
 1990 *Apopontonia tridentata*, - Bruce, *The Beagle*, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: NW-shelf of Australia.

Depth range: 54m.

Host: ?Porifera. - most probably associated with sponges.

***Araiopontonia* Fujino & Miyake, 1970**

- 1970 *Araiopontonia* Fujino & Miyake, *Ohmu*, 3 (1): 1 [diagnosis].
 1976 *Araiopontonia*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Echinodermata: Crinoidea. - associated with crinoids.

***Araiopontonia odontorhyncha* Fujino & Miyake, 1970**

- 1970 *Araiopontonia odontorhyncha* Fujino & Miyake, Ohmu, 3: 2-10, figs. 1-4.
 1982 *Araiopontonia odontorhyncha*, - Bruce, Mem. Austr. Mus., 16: 205.
 1983 *Araiopontonia odontorhyncha*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 888-890, figs. 6D, 7G, 8A-H.
 1990 *Araiopontonia odontorhyncha*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Indonesia; Australia; Japan (Amami Islands; Ryukyu Islands); New Caledonia.

Host: Echinodermata: Crinoidea. - *Comanthus bennetti* (J. Müller) (Comanthidae).

***Carinopontonia* Bruce, 1988**

- 1988 *Carinopontonia* Bruce, J. nat. Hist., 22: 1263-1264 [diagnosis, remarks].

***Carinopontonia paucipes* Bruce, 1988**

- 1988 *Carinopontonia paucipes* Bruce, J. nat. Hist., 22: 1264-1270, figs. 1-3.
 1990 *Carinopontonia paucipes*, - Bruce, The Beagle, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: NW-shelf of Australia.

Depth range: 83m.

Host: "certainly a commensal species and a coelenterate association seems highly likely" (Bruce, 1988).

***Cavicheles* Holthuis, 1952**

- 1952 *Cavicheles* Holthuis, Siboga Exped., 39 (a10) (11): 204 [diagnosis, remarks].
 1976 *Cavicheles*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Scleractinia. - Associated with *Acropora* spp.

***Cavicheles kempi* Holthuis, 1952**

- 1952 *Cavicheles kempi* Holthuis, Siboga Exped., 39 (a10) (11): 205-208, figs. 99-101.
 1966 *Cavicheles kempi*, - Bruce, Bull. Mus. natn. Hist. nat., 2e Sér., 38 (3): 266-269, fig. 1.
 1977 *Cavicheles kempi*, - Bruce, Atoll Res. Bull., 205: 10.
 1974 *Cavicheles kempi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.
 1978 *Cavicheles kempi*, - Bruce, Bull. mar. Sci., 28 (1): 129.

Distribution: Zanzibar (Migombani); Tanganyika (Maziwi Island); Kenya (Ras Iwatine); Comores (Mayotte); Indonesia (Mollucas: Halmahera).

Depth range: 4m.

Habitat: coral reefs; piers.

Host: Scleractinia. - *Acropora* corals.

Remarks: is probably a post-larval or early juvenile stage

of *Jocaste japonica* (Ortmann).

Chacella Bruce, 1986

1986 *Chacella* Bruce, J. Crust. Biol, 6 (3): 485-486 [diagnosis, remarks].

Chacella kerstitchi (Wicksten, 1983)

1983 *Dasycaris kerstitchi* Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 16-18, fig. 2.

1986 *Chacella kerstitchi*, - Bruce, J. Crust. Biol, 6 (3): 486-490, figs. 1-3..

1989 *Chacella kerstitchi*, - Bruce, Crustaceana, 56 (2): 219-221.

Distribution: E-Pacific. - Mexico (Punta Doble, San Carlos, Sonora).

Depth range: 12.5-30m.

Habitat: "on cliff among *Antipathes grandis*" (Wicksten).

Host: ?Antipatharia.

Chernocaris Johnson, 1967

1967 *Chernocaris* Johnson, J. Zool., Lond. (153): 500.

1976 *Chernocaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Associated with *Placuna* sp.

Chernocaris placunae Johnson, 1967

1967 *Chernocaris placunae* Johnson, J. Zool., Lond. (153): 500-511, figs. 1-11.

1990 *Chernocaris placunae*, - Bruce, The Beagle, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: Arafura Sea; Singapore (Telok Paku).

Depth range: intertidal-27m.

Host: *Placuna placenta* (Gmelin).

Conchodytes Peters, 1875

1917 *Conchodytes*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 392 [diagnosis, key to species].

1922 *Conchodytes*, - Kemp, Rec. Indian Mus., 24: 279-280 [remarks, key to Indo-Pacific species].

1940 *Conchodytes*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 58 [key to species].

1950 *Conchodytes*, - Barnard, Ann. S. Afr. Mus., 38: 801 [diagnosis].

1952 *Conchodytes*, - Holthuis, Siboga Exped., 39 (a10) (11): 195 [diagnosis, remarks].

1976 *Conchodytes*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

1989 *Conchodytes*, - Bruce, Asian Mar. Biol., 6: 184 [key to species].

Remarks: Mollusca: Bivalvia; Echinodermata: Holothuroidea.
- Lamellibranch hosts, occasionally holothurians.

Conchodytes biunguiculatus (Paulson, 1875)

- 1875 *Pontonia biunguiculata* Paulson, Investigations of the Red Sea with Notes on the Crustacea of Adjacent Seas I.: 111-112, pl. 15, figs. 1-1n.
1922 *Conchodytes nipponensis*, - Kemp, Rec. Indian Mus., 24: 282-283, fig. 104.
1940 *Conchodytes nipponensis*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 64-67, figs. 28-29.
1967 *Conchodytes nipponensis*, - Fujino & Miyake, Publ. Seto Mar. Biol. Lab., 15 (4): 291-293.
1977 *Conchodytes nipponensis*, - Bruce, Crustaceana, 33 (1): 97-99, fig. 1.
1967 *Conchodytes biunguiculatus*, - Hipeau-Jacquotte, Rec. trav. sta. mar. d'Endoume, 6: 153-166, figs. 1-2.
1974 *Conchodytes biunguiculatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.
1978 *Conchodytes biunguiculatus*, - Bruce, Zool. J. Linn. Soc., 62: 280.
1983 *Conchodytes biunguiculatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
1983 *Conchodytes nipponensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
1989 *Conchodytes biunguiculatus*, - Bruce, Crustaceana, 56 (2): 182 [text].
1989 *Conchodytes nipponensis*, - Bruce, Crustaceana, 56 (2): 182 [text].
1990 *Conchodytes nipponensis*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Red Sea (Tor; Sinai); Kenya (Nyali Beach); Zanzibar (Mazizini); Madagascar (Tulear); Gulf of Manaar; Andaman Islands (Port Blair); Indonesia; Taiwan; Australia (Queensland); Japan (Misaki).

Depth range: 36m.

Habitat: *Lithothamnion* and sandy bottoms.

Host: Mollusca: Bivalvia. - in association with scallops (Pectinidae) and fan shells (Pinnidae); *Pinna* sp.; *Pinna bicolor* Chemnitz; also in association with scallops (Pectinidae, *Amusium balloti*, *Pecten laquetus*).

Remarks: Partly confused with *Conchodytes kempfi*, some above mentioned distributional records therefore doubtful.

Additional synonymy: *Conchodytes meleagrinae* [part, see Holthuis, 1952]; *Hymenocera nipponensis* De Haan, 1844; *Pontonia nipponensis* De Haan, 1849.

Conchodytes kempfi Holthuis, 1952

- 1922 *Conchodytes biunguiculatus*, - Kemp, Rec. Indian Mus., 24: 280-282, fig. 103.
1952 *Conchodytes biunguiculatus*, - Holthuis, Siboga Exped., 39 (a10) (11): 199-200.
1989 *Conchodytes kempfi* Bruce, Asian Mar. Biol., 6: 183-184, fig. 3B-E.
1990 *Conchodytes kempfi*, - Bruce, The Beagle, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: Red Sea; Kenya; Zanzibar; Madagascar; Seychelles; Andaman Islands; Indonesia; Taiwan; Philippines (Cebu: Moalboal); ?Australia.

Host: Mollusca: Bivalvia. - Pinnidae; *Isognomon isognomon* (L.) Isognomonidae.

***Conchodytes maculatus* Bruce, 1989**

- 1989 *Conchodytes maculatus* Bruce, *Crustaceana*, 56 (2): 182-191, figs. 1-6.
 1990 *Conchodytes maculatus*, - Bruce, *The Beagle*, 7 (2): 10, 15, tab. 1, 18, tab. 2.

Distribution: Arafura Sea.

Depth range: 40m.

Host: Mollusca: Bivalvia. - pearl oysters (*Pinctada maxima*).

***Conchodytes meleagrinae* Peters, 1852**

- 1898 *Conchodytes meleagrinae*, - Borradaile, *Proc. Zool. Soc. London*, 1898: 1007.
 1917 *Conchodytes meleagrinae*, - Borradaile, *Trans. Linn. Soc. Zool.*, 17 (2): 393, pl. 57, fig. 26.
 1940 *Conchodytes meleagrinae*, - Kubo, *J. Imp. Fish. Inst. Tokyo*, 34 (1): 58-62, figs. 24-25.
 1950 *Conchodytes meleagrinae*, - Barnard, *Ann. S. Afr. Mus.*, 38: 801-802, fig. 151n-o.
 1953 *Conchodytes meleagrinae*, - Holthuis, *Atoll. Res. Bull.*, 24: 59-60.
 1973 *Conchodytes meleagrinae*, - Bruce, *Crustaceana*, 24: 139.
 1974 *Conchodytes meleagrinae*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 465.
 1976 *Conchodytes meleagrinae*, - Bruce, *Zool. J. Linn. Soc.*, 59: 147.
 1977 *Conchodytes meleagrinae*, - Bruce, *Rec. Austr. Mus.*, 31 (2): 24, fig. 14c-d.
 1978 *Conchodytes meleagrinae*, - Bruce, *Bull. mar. Sci.*, 28 (1): 120.
 1978 *Conchodytes meleagrinae*, - Bruce, *Zool. J. Linn. Soc.*, 62: 279-280.
 1979 *Conchodytes meleagrinae*, - Bruce, *Cah. Indo-Pac.*, 1 (2): 233.
 1981 *Conchodytes meleagrinae*, - Bruce, *Atoll. Res. Bull.*, 245: 3.
 1983 *Conchodytes meleagrinae*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 200.
 1986 *Conchodytes meleagrinae*, - Holthuis, *Zool. Meded.*, 60 (17): 271.
 1990 *Conchodytes meleagrinae*, - Bruce, *The Beagle*, 7 (2): 15, tab. 1, 18, tab. 2.
 1991 *Conchodytes meleagrinae*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 262, fig. 25a-d.

Distribution: Indo-Pacific - Red Sea (Massawah, Ras Abu Somer, Hasani Is., Suakin, Ghardaqa); Kenya (Wasin Island, Jadini, Ras Iwatine); southern Oman; Mozambique (Ibo); Seychelles (Farquhar Island; Mahé: Anse la Mouche); Madagascar; Isle Europe; Malaysia (Pulau Susu Dara, Perhentian Islands); Indonesia; Australia (Gillet Cay, Swain's Reef; Heron Island; One Tree Island, Capricorn Group; Low Isles; Swain Reefs; Bat Reef; Warrior Reef; Torres Strait); New Caledonia (Récif de Touaorou, Yaté); Marshall Islands (Arno Atoll, Ine village); Fiji (Rotuma); French Polynesia (Tuamotu Archipelago: Raroia Atoll, Tehakapikipiki; south end of Ngarumaoa Island); Hawaii.

Depth range: sublittoral-5m.

Habitat: coral reefs.

Host: Mollusca: Bivalvia. - lives in mantle cavities of pearl oysters; *Pinctada margaritifera* (L.); also in *Meleagrina*, and sometimes in *Tridacna*.

Remarks: Probably partly confused with *Conchodytes kempii*; *Conchodytes tridacnae*, in Holthuis, 1952 [part.].

***Conchodytes monodactylus* Holthuis, 1952**

- 1952 *Conchodytes monodactylus* Holthuis, Siboga Exped., 39 (a10) (11): 200-204, figs. 96-98.
 1961 *Conchodytes monodactylus*, - Johnson, Bull. natn. Mus., Singapore, 30: 60.
 1977 *Conchodytes monodactylus*, - Bruce, Crustaceana, 33 (2): 177-178, fig. 8.
 1979 *Conchodytes monodactylus*, - Bruce, Cah. Indo-Pac., 1 (2): 233.
 1983 *Conchodytes monodactylus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 200.
 1987 *Conchodytes monodactylus*, - Morton, Asian Mar. Biol., 4: 129-140, figs. 1, 2B, 4-9, tab. 1 [biology, distribution].
 1989 *Conchodytes monodactylus*, - Bruce, Crustaceana, 56 (2): 182 [text].
 1990 *Conchodytes monodactylus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Indonesia; Lesser Sunda Islands; Singapore (Siglap); Hong Kong (Plover Cove, Harbour Island, Kat O Chau); southern Taiwan; Australia (Horseshoe Bay, Magnetic Island).

Depth range: 0.5-7.3m.

Host: Mollusca: Bivalvia. - in association with scallops, *Atrina* sp., (Pectinidae) and fan shells (Pinnidae); *Pinna atropurpurea* Sowerby; *Pinna bicolor*.

***Conchodytes tridacnae* Peters, 1852**

- 1922 *Conchodytes tridacnae*, - Kemp, Rec. Indian Mus., 24: 283-285, fig. 105.
 1940 *Conchodytes tridacnae*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 62-64, figs. 26-27.
 1950 *Conchodytes tridacnae*, - Barnard, Ann. S. Afr. Mus., 38: 801 [references].
 1952 *Conchodytes tridacnae*, - Holthuis, Siboga Exped., 39 (a10) (11): 195-199, fig. 95.
 1953 *Conchodytes tridacnae*, - Holthuis, Atoll. Res. Bull., 24: 60.
 1968 *Conchodytes tridacnae*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 426-428, fig. 8.
 1971 *Conchodytes tridacnae*, - Castro, Pac. Sci., 25: 397.
 1973 *Conchodytes tridacnae*, - Bruce, Crustaceana, 24: 138-139.
 1974 *Conchodytes tridacnae*, - Bruce, Crustaceana, 27 (2): 201.
 1974 *Conchodytes tridacnae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.
 1976 *Conchodytes tridacnae*, - Bruce, Zool. J. Linn. Soc., 59: 147.
 1977 *Conchodytes tridacnae*, - Bruce, Rec. Austr. Mus., 31 (2): 71-72, fig. 14a-b.
 1977 *Conchodytes tridacnae*, - Bruce, Crustaceana, 33 (2): 176-177, fig. 7.
 1978 *Conchodytes tridacnae*, - Bruce, Bull. mar. Sci., 28 (1): 120.
 1979 *Conchodytes tridacnae*, - Bruce, Cah. Indo-Pac., 1 (2): 234.
 1981 *Conchodytes tridacnae*, - Bruce, Atoll. Res. Bull., 245: 3-4.
 1981 *Conchodytes tridacnae*, - Misra & Ghatak, Bull. Zool. Surv. India, 4 (3): 387-388, pl. VIII, figs. 1-3.
 1982 *Conchodytes tridacnae*, - Bruce, Mem. Austr. Mus., 16: 205.
 1983 *Conchodytes tridacnae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.
 1990 *Conchodytes tridacnae*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Conchodytes tridacnae*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons

de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 262-263, fig. 25e-g.

Distribution: Indo-West Pacific - Red Sea (Jeddah); Gulf of Aden; Zanzibar (Chukwani); Kenya (Jadin, Wasin Island); Tanganyika (Pungu Tongoni, near Tanga); Mocambique (Ibo); Seychelles (Bird Island; Aldabra Atoll; Farquhar Atoll); Maldives (Funadu Island, North Male Atoll); Comores; Laccadives (Cherbaniani Reef); Andaman Islands (Port Blair); Minicoy Atoll, Lakshadweep; Indonesia; South China Sea (South West Cay, North Danger Reef); Australia (Queensland; Tigon Reef; Keppel Island, Port Curtis; West Cay, Diamond Islets; North East Cay, Herald Group; One Tree Island, Capricorn Group); Japan (Bonin Islands); Torres Straits; New Caledonia; Palau Islands; Marshall Islands (Arno Atoll); Hawaii; French Polynesia (Tuamotu Archipelago: Amanu and Rikitea).

Depth range: littoral to shallow water.

Habitat: coral reefs; central lagoon of Aldabra Atoll.

Host: Mollusca: Bivalvia. - *Pinctada margaritifera* (L.), *Tridacna* sp., *Tridacna squamosa*, *Tridacna whitleyi*, *Tridacna maxima*. Also undetermined holothuroid host (Echinodermata: Holothuroidea).

Remarks: Species is often confused with *C. melegrinae* and probably partly confused with *Conchodytes kempii*.

Additional synonymy: *Pontonia tridacnae* Dana, 1852; *Conchodytes meleagrinae* [part, see Holthuis, 1952].

***Coralliocaris* Stimpson, 1860**

1917 *Coralliocaris*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 381-383 [diagnosis, keys to subgenera and species].

1922 *Coralliocaris*, - Kemp, Rec. Indian Mus., 24: 268-269 [remarks, key to species].

1940 *Coralliocaris*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 67 [diagnosis, remarks, key to species].

1952 *Coralliocaris*, - Holthuis, Siboga Exped., 39 (a10) (11): 185-186 [remarks].

1976 *Coralliocaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Scleractinia. - *Acropora* associates.

Additional synonymy: *Oedipus* Dana, 1852.

***Coralliocaris brevirostris* Borradaile, 1898**

1898 *Coralliocaris brevirostris*, - Borradaile, Proc. Zool. Soc. London, 1898: 1006-1007, pl. 64, fig. 7.

1966 *Coralliocaris brevirostris*, - Patton, Crustaceana, 10: 278.

1977 *Coralliocaris brevirostris*, - Bruce, Atoll Res. Bull, 205: 11.

1983 *Coralliocaris brevirostris*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.

1990 *Coralliocaris brevirostris*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Willis Island, Coral Sea), and

Pacific Islands; Ellice Islands (Funafuti).
 Depth range: shallow water.
 Host: Scleractinia. - *Acropora* corals.

***Coralliocaris graminea* (Dana, 1852)**

- 1922 *Coralliocaris graminea*, - Kemp, Rec. Indian Mus., 24: 269-272, figs. 96-97.
 1940 *Coralliocaris graminea*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 70-73, figs. 33-35.
 1950 *Coralliocaris graminea*, - Barnard, Ann. S. Afr. Mus., 38: 800-801.
 1952 *Coralliocaris graminea*, - Holthuis, Siboga Exped., 39 (a10) (11): 186-189, fig. 91.
 1953 *Coralliocaris graminea*, - Holthuis, Atoll. Res. Bull., 24: 58.
 1961 *Coralliocaris graminea*, - Johnson, Bull. natn. Mus., Singapore, 30: 60.
 1966 *Coralliocaris graminea*, - Patton, Crustaceana, 10: 277.
 1968 *Coralliocaris graminea*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 423, fig. 7a, c.
 1972 *Coralliocaris graminea*, - Bruce, Pac. Sci., 26: 76-77.
 1974 *Coralliocaris graminea*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.
 1976 *Coralliocaris graminea*, - Bruce, Zool. J. Linn. Soc., 59: 131-137, figs. 25-28; 148.
 1976 *Coralliocaris graminea*, - Bruce, Zool. Verh., Leiden, 145: 32.
 1977 *Coralliocaris graminea*, - Bruce, Atoll Res. Bull., 205: 11-12.
 1978 *Coralliocaris graminea*, - Bruce, Bull. mar. Sci., 28 (1): 130-131.
 1978 *Coralliocaris graminea*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1981 *Coralliocaris graminea*, - Bruce, Atoll. Res. Bull., 245: 4.
 1983 *Coralliocaris graminea*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.
 1985 *Coralliocaris graminea*, - Bruce, The Beagle, 1 (14): 126, fig. 2.
 1990 *Coralliocaris graminea*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Coralliocaris graminea*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 264.

Distribution: Indo-Pacific - Red Sea (Suez, Ghardaqa, Senafir, Koseir, Habban, Zebirget, Yenbo Raveiya, El Lith, Massawa); Kenya (Casuarina Point); Zanzibar (Change Is. reef); Tanzania (Upanga reef, Dar es Salaam); Tanganyika (Pungu Nyama, Tanga, Maziwi Island); Mozambique Channel; Madagascar (Juan de Nova; Tulear); Seychelles (Amirante Islands: Remire Is.; Mahé: Port Victoria; Praslin: Baie St. Anne, Curieuse Bay; Coetivy Island; Aldabra Atoll); Andaman Islands (Port Blair); Singapore (Raffles Light); Indonesia; Hong Kong; Australia (Heron Island; Low Isles); Christmas Island; Lord Howe Island (Roach Is.); Japan (Kagoshima; Ryukyu-Islands); New Caledonia (secteur de Nouméa); Loyalty Islands; Palau Islands; Marsall Islands (Arno Atoll, Ine viallage); Fiji (Viti Levu: Rewa, Sigatoka); Samoa; Johnson, Palmyra and Wake Islands; Hawaii.

Depth range: 1.5-54m.

Habitat: A common inhabitant of coral reefs.

Host: Scleractinia. - It is abundant on coral reefs in *Acropora* corals; also associated with *Pocillopora danae* (Verrill), *Pocillopora elongata* (Dana), *Seriatopora hystrix* (Dana), *Stylophora erythraea* von Marenzeller and many *Acropora* hosts, see Bruce (1977), Atoll Res. Bull. The specimens from

Seriatopora and *Stylophora* are usually small juvenile stages.

Remarks: *C. graminea* is probably probably often confused with *C. viridis*. The specimens are found grasping a coral branch with the chelae and the head pointed downwards.

Additional synonymy: *Oedipus gramineus* Dana, 1852; *Coralliocaris gramineus*; *Coralliocaris inaequalis* Ortmann, 1890, Balss, 1914.

Coralliocaris macrophthalma (H. Milne-Edwards, 1837)

1917 *Coralliocaris macrophthalma*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 383, pl. 56, fig. 24.

1958 *Coralliocaris ? macrophthalma*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 11.

1976 *Coralliocaris macrophthalma*, - Bruce, Zool. J. Linn. Soc., 59: 148.

1977 *Coralliocaris macrophthalma*, - Bruce, Crustaceana, 32 (2): 203-205, fig. 1.

1977 *Coralliocaris macrophthalma*, - Bruce, Atoll Res. Bull, 205: 12.

Distribution: Red Sea (Eilat, Massawa); Massawa; Seychelles (Saya de Malha).

Depth range: 47m.

Host: Scleractinia. - *Acropora hyacinthus* (Dana).

Remarks: (?) identity uncertain, probably conspecific with *C. graminea*.

Additional synonymy: *Oedipus macrophthalmus* Dana, 1852.

Coralliocaris nudirostris (Heller, 1862)

1862 *Oedipus nudirostris* Heller, Sitz.-Ber. Akad. Wiss. Wien, 44 (1): 279, pl. 3, fig. 25

1953 *Coralliocaris nudirostris*, - Holthuis, Atoll. Res. Bull., 24: 59.

1965 *Coralliocaris brevirostris*, - Holthuis, Zool. Meded., 41 (5): 105-110, figs. 1-2.

1974 *Coralliocaris nudirostris*, - Bruce, J. mar. biol. Ass. India, 16 (2): 465.

1976 *Coralliocaris nudirostris*, - Bruce, Zool. J. Linn. Soc., 59: 149.

1977 *Coralliocaris nudirostris*, - Bruce, Atoll Res. Bull, 205: 12.

Distribution: Red Sea; Kenya (Tiwi, Mombasa Island, Kirwetu, Kikambala); Zanzibar (north of Pange); Seychelles (Coetivy Island); Maldives; Mauritius; Marshall Islands (Arno Atoll, Ine village); Gilbert Islands (Onotoa Atoll); French Polynesia (Society Islands: Tahiti).

Depth range: littoral to shallow water.

Habitat: Coral reefs, where it seems to prefer hosts living on the exposed side of the reef crest rather than the sheltered lagoon side.

Host: Scleractinia. - several *Acropora* hosts, see Bruce (1977).

Additional synonymy: *Coralliocaris tahitoei* Boone, 1935; *Oedipus nudirostris* Heller, 1861; *Coralliocaris brevirostris* from Mauritius, in Holthuis (1965).

***Coralliocaris pavonae* Bruce, 1972**

- 1972 *Coralliocaris pavonae*, - Bruce, Pac. Sci., 26: 77-84, figs. 8-11.
 1977 *Coralliocaris pavonae*, - Bruce, Atoll Res. Bull, 205: 12-13.

Distribution: Taiwan; Fiji Islands (Viti Levu: Sigatoka).
 Depth range: 0.5-1m.

Habitat: coral reefs.

Host: Scleractinia. - *Pavona divaricata* (Lam.), *Pavona minor* Breuggemann (Agariciidae).

***Coralliocaris superba* (Dana, 1852)**

- 1922 *Coralliocaris superba*, - Kemp, Rec. Indian Mus., 24: 272-274, figs. 98-99.
 1940 *Coralliocaris superba*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 67-70, figs. 30-32.
 1952 *Coralliocaris superba*, - Holthuis, Siboga Exped., 39 (a10) (11): 189-191, fig. 92.
 1953 *Coralliocaris superba*, - Holthuis, Atoll. Res. Bull., 24: 58-59.
 1958 *Coralliocaris superba*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 11.
 1966 *Coralliocaris superba*, - Patton, Crustaceana, 10: 277.
 1968 *Coralliocaris superba*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 424-425, fig. 7b, d.
 1974 *Coralliocaris superba*, - Bruce, Crustaceana, 27 (2): 199-200.
 1974 *Coralliocaris superba*, - Bruce, J. mar. biol. Ass. India, 16 (2): 466.
 1976 *Coralliocaris superba*, - Bruce, Zool. J. Linn. Soc., 59: 137-138, 148-149.
 1976 *Coralliocaris superba*, - Bruce, Zool. Verh., Leiden, 145: 32.
 1976 *Coralliocaris superba*, - Monod, Cah. Pac., 19: 149, figs. 61-66, 75-75.
 1977 *Coralliocaris superba*, - Bruce, Rec. Austr. Mus., 31 (2): 67, fig. 12d.
 1977 *Coralliocaris superba*, - Bruce, Atoll Res. Bull, 205: 13.
 1978 *Coralliocaris superba*, - Bruce, Bull. mar. Sci., 28 (1): 131.
 1978 *Coralliocaris superba*, - Bruce, Zool. J. Linn. Soc., 62: 281.
 1980 *Coralliocaris superba*, - Bruce, Pac. Sci., 34 (4): 393-395, fig. 1 f-g.
 1981 *Coralliocaris superba*, - Bruce, Micronesica, 17 (1): 89-90, fig. 9.
 1981 *Coralliocaris superba*, - Bruce, Atoll. Res. Bull., 245: 4.
 1983 *Coralliocaris superba*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.
 1990 *Coralliocaris superba*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Coralliocaris superba*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 264-265, fig. 26.

Distribution: Indo-Pacific - Red Sea; Kenya (Watamu; Casuarina Point); Mocambique; Tanganyika (Maziwi Island); Seychelles (Praslin: Baie St. Anne; Farquhar Island); Comores (Mayotte); Madagascar (Tulear; Geyser Reef; Zelée Bank); Andaman Islands; Nicobar Islands; Indonesia; Kazan Islands; Australia (Great Barrier Reef: Swain's Reef; Willis Island; Restoration Rock; Heron Island; Wistari Reef; Moreton Bay); New Caledonia (secteur de Nouméa; île Ouen, baie du Prony); Japan (Bonin Islands); Palau Islands; Marianas Islands (Lagoon No. of Matus Beach, NW. Saipan); Marshall Islands (Arno Atoll, Ine village); Fiji (Viti Levu, Naviti; Ndravuni, Great Astrolabe Reef); Tonga (Tongatabu); Samoa; French Polynesia (Society Islands: Tahiti); Hawaii.

Depth range: 154m.

Habitat: A common inhabitant of coral reefs, living on corals of the genus *Acropora*, in both sheltered and exposed locations.

Host: Scleractinia. - *Pocillopora danae* (Verrill); *Acropora leptocyathus* (Brook); *Acropora divaricata* (Dana); *Acropora tubicinaria* (Dana); *Acropora variabilis* (Klunzinger); *Acropora humilis* (Dana); many other *Acropora* hosts, see Bruce (1977), Atoll Res. Bull.

Remarks: *Hemiphryxus maliniae* (Bruce, 1974) (= *Allophryxus malindiae*; Isopoda: Bopyridae) is known to parasitize this species. Colour note. - has a porcelain-white body.

Additional synonymy: *Oedipus superba*; *Oedipus superbus* Dana, 1852; *Oedipus dentirostris* Paulson, 1875.

***Coralliocaris taiwanensis* Fujino & Miyake, 1972**

1967 *Coralliocaris taiwanensis* Fujino & Miyake, Ohmu, 3 (9): 92-98, figs. 1-3.

Distribution: Taiwan.

Depth range: 2-5m.

Habitat: coral reefs.

***Coralliocaris venusta* Kemp, 1922**

1922 *Coralliocaris venusta* Kemp, Rec. Indian Mus., 24: 274-276, figs. 100-101.

1952 *Coralliocaris venusta*, - Holthuis, Siboga Exped., 39 (a10) (11): 191-192, fig. 93.

1966 *Coralliocaris venusta*, - Patton, Crustaceana, 10: 277-278.

1974 *Coralliocaris venusta*, - Bruce, J. mar. biol. Ass. India, 16 (2): 466 ["alpha- and beta-form"].

1976 *Coralliocaris venusta*, - Bruce, Zool. J. Linn. Soc., 59: 138, 149.

1976 *Coralliocaris venusta*, - Bruce, Zool. Verh., Leiden, 145: 32-35, fig. 12.

1977 *Coralliocaris venusta*, - Bruce, Rec. Austr. Mus., 31 (2): 67-68, fig. 12j-m.

1977 *Coralliocaris venusta*, - Bruce, Atoll Res. Bull., 205: 13.

1978 *Coralliocaris venusta*, - Bruce, Bull. mar. Sci., 28 (1): 131.

1978 *Coralliocaris venusta*, - Bruce, Zool. J. Linn. Soc., 62: 282, fig. 42.

1979 *Coralliocaris venusta*, - Bruce, Cah. Indo-Pac., 1 (2): 240.

1980 *Coralliocaris venusta*, - Bruce, Micronesica, 16 (2): 268, fig. 2h-j

1981 *Coralliocaris venusta*, - Bruce, Atoll. Res. Bull., 245: 4.

1983 *Coralliocaris venusta*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201 [alpha-form, beta-form, distinguished through colour pattern].

1990 *Coralliocaris venusta*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Red Sea (Ghardaqa); Kenya (Kirwetu, Bamburi, Jadini; Malindi; Watamu; Casuarina Point); Zanzibar (Chumbe Island; Pungume reef, Bawi Island, Mazizini); Tanganyika (Masiwi Island); Seychelles (Amirante Islands: Remire Is.); Madagascar (Geyser Reef); Ile Europe; Seychelles; Mocambique Channel; Sri Lanka; Gulf of Manaar (Tholayiram Paar); South China Sea (Macclesfield Bank; Pygmy Shoal); Indonesia; Australia (One Tree Island, Capricorn Group; Willis Island, Restoration Rock, Heron Island); Solomon Islands (Huendara);

Samoa.

Depth range: 2-30m.

Habitat: coral reefs.

Host: Scleractinia. - the species is an obligatory associate of acroporid corals; several *Acropora* hosts are mentioned in Bruce (1977), Atoll Res. Bull.

***Coralliocaris viridis* Bruce, 1974**

1974 *Coralliocaris viridis* Bruce, Crustaceana, 26 (2): 222-223, figs. 1a-b.

1974 *Coralliocaris viridis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 467.

1977 *Coralliocaris viridis*, - Bruce, Rec. Austr. Mus., 31 (2): 68, fig. 12e-i.

1977 *Coralliocaris viridis*, - Bruce, Atoll Res. Bull., 205: 14.

1978 *Coralliocaris viridis*, - Bruce, Zool. J. Linn. Soc., 62: 283.

1981 *Coralliocaris viridis*, - Bruce, Atoll. Res. Bull., 245: 4-5.

1983 *Coralliocaris viridis*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 896, fig. 10H.

1983 *Coralliocaris viridis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.

1990 *Coralliocaris viridis*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Kenya (Mombasa Island; Kikambala, Shimoni and Wasin Island); Zanzibar; Mocambique Channel; Madagascar; Ile Europe; Maldives; Sri Lanka; Indonesia; Australia (Great Barrier Reef: One Tree Island, Heron Island, Capricorn Group); Japan (Ryukyu Islands); Ryukyus.

Depth range: littoral to shallow subtidal.

Habitat: coral reefs.

Host: Scleractinia. - several *Acropora* hosts, see Bruce (1977), Atoll Res. Bull.

Remarks: probably often confused with the closely allied *Coralliocaris graminea*.

***Ctenopontonia* Bruce, 1979**

1979 *Ctenopontonia* Bruce, Bull. mar. Sci., 29 (3): 423-425 [diagnosis, remarks].

***Ctenopontonia cyphastreophila* Bruce, 1979**

1979 *Ctenopontonia cyphastreophila* Bruce, Bull. mar. Sci., 29 (3): 425-433, figs. 1-7.

Distribution: Marshall Islands (Eniwetok Atoll).

Depth range: ?5-15m.

Habitat: coral reefs.

Host: Scleractinia. - *Cyphastrea microphthalma* (Lam.), Faviidae. The shrimp causes narrow grooves on the surface of the host.

***Dasella* Lebour, 1945**

- 1945 *Dasella* Lebour, Proc. Zool. Soc. Lond., 115: 279 [new name for *Dasia* Lebour, preoccupied].
- 1976 *Dasella*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Tunicata: Tunicate hosts.
Additional synonymy: *Dasia* Lebour, 1938.

***Dasella ansoni* Bruce, 1983**

- 1983 *Dasella ansoni* Bruce, The Beagle, 1 (3): 22-28, figs. 1-5. Paris, 4e sér., 5, sec. A, 3: 22-28, figs. 1-5.
- 1990 *Dasella ansoni*, - Bruce, The Beagle, 7 (2): 10, 16, tab. 1, 18, tab. 2.

Distribution: Arafura Sea.
Depth range: 27m.
Host: Tunicata. - in ascidia *Phallusia depressiuscula* Heller.

***Dasella brucei* Berggren, 1990**

- 1981 *Dasella herdmaniae*, - Bruce, Crustaceana, 40 (1): 50-55, figs. 1-2.
- 1981 *Dasella herdmaniae*, - Bruce, Atoll. Res. Bull., 245: 5.
- 1983 *Dasella herdmaniae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201.
- 1990 *Dasella brucei* Berggren, J. Crust. Biol., 10 (3): 554-559.
- 1990 *Dasella brucei*, - Bruce, The Beagle, 7 (2): 10, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Queensland: Heron Island).
Depth range: ?<14-17m.
Habitat: coral reefs.
Host: Tunicata. - in ascidia *Herdmania momus* (Savigny) (Ascidacea).

***Dasella herdmaniae* (Lebour, 1939)**

- 1990 *Dasella herdmaniae*, - Berggren, J. Crust. Biol., 10 (3): 554-559, figs. 1-3.

Distribution: southern India (Tuticorin); southern Mocambique (Inhaca Island).
Depth range: shallow water.
Habitat: coral reefs.
Host: Tunicata. - *Herdmania momus* (Savigny) (Ascidacea).
Additional synonymy: *Dasia herdmaniae* Lebour, 1938; *Dasella herdmanniae* Lebour, 1945.

***Dasycaris* Kemp, 1922**

- 1922 *Dasycaris* Kemp, Rec. Indian Mus., 24: 240 [diagnosis, remarks].
- 1973 *Dasycaris*, - Bruce, Crustaceana, 24: 257-259 [diagnosis, key to species, distribution].
- 1976 *Dasycaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean

eds.), Academic Press: 83, tab. I [remarks].

Remarks: Various coelenterate associations.

***Dasycaris ceratops* Holthuis, 1952**

- 1952 *Dasycaris ceratops* Holthuis, Siboga Exped., 39 (a10) (11): 176-180, figs. 87-88.
 1973 *Dasycaris ceratops*, - Bruce, Crustaceana, 24: 259, fig. 7C.
 1974 *Dasycaris ceratops*, - Bruce, J. mar. biol. Ass. India, 16 (2): 467.
 1977 *Dasycaris ceratops*, - Bruce, Crustaceana, 33 (2): 173-174, fig. 5.
 1981 *Dasycaris ceratops*, - Bruce, Atoll. Res. Bull., 245: 5.
 1983 *Dasycaris ceratops*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201
 1990 *Dasycaris ceratops*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Zanzibar (Harbour); Indonesia (Borneo Bank, Makassar Straits); Australia (Queensland: Lodestone Reef; Heron Island: Wistari Reef).

Depth range: 20-50m.

Habitat: coral reef locations.

Host: Antipatharia and Pennatularia. - unidentified antipatharian; *Sclerobelemnon burgheri* (Herklots), *Virgularia gustaviana* (Herklots), *Pteroides esperi* (Herklots), *Pteroides densum* Tixier-Durivault; *Pteroides bankanense*.

***Dasycaris doederleini* (Balss, 1924)**

- 1973 *Dasycaris doederleini*, - Bruce, Crustaceana, 24: 259, fig. 7B.

Distribution: Japan (Sagami Bay).

Depth range: 130m.

***Dasycaris symbiotes* Kemp, 1922**

- 1922 *Dasycaris symbiotes* Kemp, Rec. Indian Mus., 24: 240-244, figs. 76-77, pl. IX.
 1973 *Dasycaris symbiotes*, - Bruce, Crustaceana, 24: 258, fig. 7A.
 1976 *Dasycaris symbiotes*, - Monod, Cah. Pac., 19: 147-149, figs. 54-60.
 1990 *Dasycaris symbiotes*, - Bruce, The Beagle, 7 (2): 18, tab. 2, 18, tab. 2.

Distribution: India (off Madras); Mergui Archipelago; New Caledonia (Fosse aux Canards, Lagon de Nouméa).

Depth range: 15-64m.

Host: in association with *Pteroeides* (Pennatularia).

***Dasycaris zanzibarica* Bruce, 1973**

- 1973 *Dasycaris zanzibarica* Bruce, Crustaceana, 24: 247-257, figs. 1-6.
 1974 *Dasycaris zanzibarica*, - Bruce, J. mar. biol. Ass. India, 16 (2): 467.
 1983 *Dasycaris zanzibarica*, - Bruce, Austr. Mus. Sydney, Mem., 18: 201-202.
 1990 *Dasycaris zanzibarica*, - Bruce, The Beagle, 7 (2): 16, tab. 1.

1991 *Dasycaris zanzibarica*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 265, fig. 27.

Distribution: Indo-Pacific - off Shangani and off west coast of Zanzibar (Change Island, Bawi Islands); Australia (Queensland: Lizard Island; Wheeler Reef of Townsville); New Caledonia (Atoll de Surprise; Lagon Est).

Depth range: 4m.

Host: Antipatharia. - *Cirripathes anguinis* (Dana) (Antipathidae).

***Epipontonia* Bruce, 1977**

1977 *Epipontonia* Bruce, *Crustaceana*, 32 (3): 304-308 [diagnosis, remarks].

***Epipontonia anceps* Bruce, 1983**

1983 *Epipontonia anceps* Bruce, *Rec. Austr. Mus.*, 35: 19-28, figs. 1-10.

1990 *Epipontonia anceps*, - Bruce, *The Beagle*, 7 (2): 10, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Queensland: Heron Island).

Depth range: 18m.

Host: Porifera. - unidentified sponges.

***Epipontonia spongicola* Bruce, 1977**

1974 *Epipontonia spongicola*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 467.

1977 *Epipontonia spongicola*, - Bruce, *Crustaceana*, 32 (3): 308-315, figs. 1-5.

1990 *Epipontonia spongicola*, - Bruce, *The Beagle*, 7 (2): 10.

Distribution: Kenya (Wasin Channel).

Depth range: 11m.

Host: Porifera. - *Reneira* sp.

***Eupontonia* Bruce, 1971**

1971 *Eupontonia*, - Bruce, *Crustaceana*, 20: 225-227 [diagnosis, remarks, comparison with genus *Vir*].

1976 *Eupontonia*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].

***Eupontonia noctalbata* Bruce, 1971**

1971 *Eupontonia noctalbata* Bruce, *Crustaceana*, 20: 227-236, figs. 1-5.

1976 *Eupontonia noctalbata*, - Bruce, *Zool. J. Linn. Soc.*, 59: 144.

Distribution: Seychelles (Mahé, Anse Etoile).

Depth range: shallow water.

Habitat: "was discovered when a colony of the coral

Galaxea fascicularis (L.), was removed from shallow water for examination" (Bruce, 1971). "It appears to be a free-living inhabitant of the intertidal muddy flats" (Bruce, 1976).

***Exopontonia* Bruce, 1988**

1988 *Exopontonia* Bruce, J. Crust. Biol., 8 (1): 122-123 [diagnosis, remarks].

***Exopontonia malleatrix* Bruce, 1988**

1988 *Exopontonia malleatrix* Bruce, J. Crust. Biol., 8 (1): 123-130, figs. 1-5.

1990 *Exopontonia malleatrix*, - Bruce, The Beagle, 7 (2): 10, 16, tab. 1, 18, tab. 2.

Distribution: Timor Sea (Ashmore Reef).

Habitat: coral reefs. - coral rubble.

Host: ?Porifera. - probably associated with sponges.

***Fennera* Holthuis, 1951**

1951 *Fennera* Holthuis, Allan Hancock Found. Occ. Pap., 11: 171 [diagnosis, remarks].

1976 *Fennera*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Scleractinia. - Associated with pocilloporid corals.

***Fennera chacei* Holthuis, 1951**

1951 *Fennera chacei* Holthuis, Allan Hancock Found. Occ. Pap., 11: 171-174, pl. 54, figs. a-p.

1967 *Fennera chacei*, - Bruce, J. mar. biol. Ass. India, 7 (1): 80-82, fig. 1.

1966 *Fennera chacei*, - Patton, Crustaceana, 10: 277.

1974 *Fennera chacei*, - Bruce, Crustaceana, 27 (2): 195, fig. 4.

1974 *Fennera chacei*, - Bruce, J. mar. biol. Ass. India, 16 (2): 467.

1976 *Fennera chacei*, - Bruce, Zool. J. Linn. Soc., 59: 147.

1977 *Fennera chacei*, - Bruce, Atoll Res. Bull, 205: 8.

1979 *Fennera chacei*, - von Prael, Guhl & Grögl, An. Inst. Invest. Mar. Pta. Betin, 10: 84-86.

1983 *Fennera chacei*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.

1985 *Fennera chacei*, - Gotelli, Gilchrist & Abele, Mar. Ecol. Progr. Ser., 21: 93 [population biology].

1990 *Fennera chacei*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Kenya (Mombasa Island, Ras Iwatine, Jadini); Maldives (South Nilandu Atoll), Seychelles (Farquhar Atoll); Australia (Willis Island, Coral Sea; Heron Island, Queensland); Mexico; Costa Rica; Panama; Colombia (Gorgona Island).

Depth range: littoral-15m.

Habitat: coral reef locations.

Host: Scleractinia. - *Pocillopora verrucosa* (Ellis & Solander), *Pocillopora eydouxi* Milne-Edwards & Haime (Pocilloporidae); *Porites* sp.; *Stylophora pistillata*.

Remarks: This is one of the smallest pontoniine shrimps, with a carapace length about 1mm.

***Gnathophylloides* Schmitt, 1933**

1976 *Gnathophylloides*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Edean eds.), Academic Press: 84, tab. I [remarks].

1982 *Gnathophylloides*, - Bruce, Mem. Austr. Mus., 16: 206 [key to echinoid-associated species].

Remarks: Associated with Echinodermata: Echinoidea.

***Gnathophylloides mineri* Schmitt, 1933**

1971 *Gnathophylloides mineri*, - Castro, Pac. Sci., 25: 398-399.

1973 *Gnathophylloides mineri*, - Bruce, Crustaceana, 24 (1): 27-28, tab. [comparison with *G. robustus*].

1975 *Gnathophylloides mineri*, - Bruce, Crustaceana, 28 (2): 313-315, fig. 1.

1982 *Gnathophylloides mineri*, - Bruce, Mem. Austr. Mus., 16: 206 [echinoid host records].

1988 *Gnathophylloides mineri*, - Bruce, The Beagle, 5 (1): 97-99, figs. 1-2.

1989 *Gnathophylloides mineri*, - Titgen, Crustaceana, 56 (2): 201.

1990 *Gnathophylloides mineri*, - Bruce, The Beagle, 7 (2): 10-11, 16, tab. 1, 18, tab. 2.

Distribution: Circumtropical! Caribbean Sea. - Mexico; Costa Rica; Florida; Puerto Rico; Jamaica; Barbados. Indo-Pacific. - Zanzibar (Mwemba Island); Seychelles (North Point, Glacis, Mahé); Australia (North Solitary Islands, New South Wales); Colombia (Malpelo Island); Hawaii (Oahu); Tonga; Zanzibar; Seychelles.

Depth range: 12m.

Host: Echinodermata: Echinoidea. - in association with the urchin *Tripneustes gratilla* (L.); in the Caribbean on echinoids *Tripneustes esculentus* Leske and *Lytechinus variegatus* (Leske); in Hawaii on *Pseudoboletiana indiana* (Michelin) and *Tripneustes gratilla* (L.); *Pseudoboletina indiana* (Echinodermata: Echinoidea).

Remarks: The species is usually found on the spines of the oral surface *P. indiana*, while it is rare on *Tripneustes gratilla*. The specimens orient their anterior part to the apex of the sea urchin's spines.

***Gnathophylloides robustus* Bruce, 1973**

1973 *Gnathophylloides robustus* Bruce, Crustaceana, 24 (1): 17-28, figs. 1-7; 27-28, tab. [comparison with *G. mineri*].

1982 *Gnathophylloides robustus*, - Bruce, Mem. Austr. Mus., 16: 206, fig. 2c.

1990 *Gnathophylloides robustus*, - Bruce, *The Beagle*, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: W-Australia (off Point Moore, Geraldton).

Depth range: 3m.

Host: Echinodermata: Echinoidea. - on sea-urchin
Centrostephanus tenuispinus H.L. Clark (Echinodermata: Echinoidea).

***Hamiger* Borradaile, 1916**

1986 *Hamiger*, - Bruce, *J. nat. Hist.*, 20: 912 [diagnosis].

***Hamiger novaezealandiae* (Borradaile, 1916)**

1916 *Periclimenes (Hamiger) novae-zealandiae* Borradaile, *Nat. Hist. Rep., Brit. Antarct. Exped.*, 3 (2): 87-88, fig. 4.

1986 *Hamiger novaezealandiae*, - Bruce, *J. nat. Hist.*, 20: 911-919, figs. 1-4.

Distribution: off North Cape, New Zealand.

Depth range: 128m.

***Hamodactyloides* Fujino, 1973**

1973 *Hamodactyloides* Fujino, *Crustaceana*, 25 (2): 171-174 [diagnosis, remarks].

***Hamodactyloides incompletus* (Holthuis, 1958)**

1958 *Hamodactylus incompletus* Holthuis, *Bull. Sea Fish. Sta. Haifa*, 17 (8/9): 11-13, fig. 4.

1974 *Hamodactyloides incompletus*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 468.

1976 *Hamodactyloides incompletus*, - Bruce, *Zool. Verh., Leiden*, 145: 37-42, figs. 13-15.

1981 *Hamodactyloides incompletus*, - Bruce, *Micronesica*, 17 (1): 90-92, figs. 10-11.

1983 *Hamodactyloides incompletus*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 202.

1990 *Hamodactyloides incompletus*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1.

Distribution: Indo-Pacific. - Red Sea, Sinai Peninsula (Sharm el Sheik); Kenya (Watamu); Zanzibar (Fungu Mapape); La Réunion; Indonesia; Australia (Queensland: Lizard Island); Ryukyu Islands; Fiji (Viti Levu, Naviti).

Depth range: 1-24m.

Habitat: coral reefs.

Host: Hydrozoa. - *Millepora tenera* Boschma, *Millepora dichotoma* Forskal, *Millepora intricata* (Hydrozoa).

***Hamodactyloides ishigakiensis* Fujino, 1973**

1973 *Hamodactyloides ishigakiensis* Fujino, *Crustaceana*, 25 (2): 174-180, figs. 1-

3.

Distribution: Japan (Ryukyu Islands: Kabira Bay, Ishigaki-jima Island).

Depth range: 1m.

Habitat: coral reef.

Host: Hydrozoa. - "attached to the branches of the hydroid, *Millepora tenera* Boschma" (Fujino).

***Hamodactylus* Holthuis, 1952**

1970 *Hamodactylus*, - Bruce, J. Zool., Lond., 160: 544 [key to species].

1976 *Hamodactylus*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Gorgonian and alcyonarian hosts.

***Hamodactylus aqabai* Bruce & Svoboda, 1983**

1981 *Hamodactylus aqabai*, - Bruce, Atoll. Res. Bull., 245: 5.

1983 *Hamodactylus aqabai*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.

1983 *Hamodactylus aqabai* Bruce & Svoboda, Zool. Verh., 205: 26-35, figs. 10-14.

1990 *Hamodactylus aqabai*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Red Sea (Aqaba, Jordan; Gulf of Sinai); E-Australia (Queensland: Heron Island).

Depth range: 4-11m.

Habitat: coral reefs.

Host: Alcyonaria. - associated with *Nephtyrea* spp., *Lithophyton arboreum* Forsskal, 1775.

***Hamodactylus boschmai* Holthuis, 1952**

1952 *Hamodactylus boschmai* Holthuis, Siboga Exped., 39 (a10) (11): 209-212, figs. 102-104.

1970 *Hamodactylus boschmai*, - Bruce, J. Zool., Lond., 160: 538-539, fig. 1.

1973 *Hamodactylus boschmai*, - Monod, Cah. Pac., 17: 8-9, figs. 5-13.

1974 *Hamodactylus boschmai*, - Bruce, J. mar. biol. Ass. India, 16 (2): 467-468.

1978 *Hamodactylus boschmai*, - Bruce, Zool. J. Linn. Soc., 62: 283-284.

1981 *Hamodactylus boschmai*, - Bruce, Atoll. Res. Bull., 245: 5.

1982 *Hamodactylus boschmai*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 272-275, figs. 25-26.

1983 *Hamodactylus boschmai*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.

1990 *Hamodactylus boschmai*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Zanzibar (Prison Island); Indonesia (Djedan Is., Aru Islands and Ternate); Hong Kong (Long Ke Wan; Sai Kung, North Bate Head, Breakers Reef); Australia (Queensland: Heron Island); Madagascar (Nosy Bé); New Caledonia (entre l'Ile aux Canards et l'Îlot Maître, près de Nouméa).

Depth range: 2-40m.

Habitat: pearlbanks and bottoms with sand and shells.

Host: Gorgonaria and Alcyonaria. - *Mopsella ellisi* Hickson; on the gorgonians *Coelogorgia palmosa* Milne-Edwards & Haime and *Euplexaura braueri* Kükenthal; *Echinomuricea coccinea* (Stimpson); *Echinogorgia*; *Acalycigorgia*; *Euplexaura*. Also associated with *Morchellana gilva* (Henderson) (Nephtheidae; Alcyonacea) and *Acalycigorgia densiflora* (Acanthogorgiidae; Gorgonacea) (Kükenthal & Gorzansky); *Subergorgia reticulata* and *Melitheia ocracea*.

***Hamodactylus noumeae* Bruce, 1970**

- 1970 *Hamodactylus noumeae* Bruce, J. Zool., Lond., 160: 539-541, fig. 2.
 1974 *Hamodactylus noumeae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 468.
 1981 *Hamodactylus noumeae*, - Bruce, Atoll. Res. Bull., 245: 6.
 1983 *Hamodactylus noumeae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.
 1990 *Hamodactylus noumeae*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Tanganyika (Maziwi Island; Murogo reef); Zanzibar; Kenya (Wasin Island); Indonesia; Australia (Queensland: Heron Island); New Caledonia.

Depth range: 4-27m.

Habitat: coral reefs.

Host: On a variety of Gorgonaria. - *Mopsella ellisi* Hickson; *Euplexaura*, *Rumphella*, *Pseudopterogorgia*, *Subergorgia*. Alcyonaria. - found on large colonies of nephteid alcyonarians.

Additional synonymy: *Hamodactylus boschmai* var.?, in Holthuis, 1952.

***Hamopontonia* Bruce, 1970**

- 1970 *Hamopontonia* Bruce, Crustaceana, 18: 37-41 [diagnosis, remarks, comparison with *Ischnopontonia* and *Philarus*].
 1976 *Hamopontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Edean eds.), Academic Press: 82, tab. I [remarks].

***Hamopontonia corallicola* Bruce, 1970**

- 1970 *Hamopontonia corallicola* Bruce, Crustaceana, 18: 41-48, figs. 1-4.
 1977 *Hamopontonia corallicola*, - Bruce, Crustaceana, 33 (2): 172-173, fig. 4.
 1977 *Hamopontonia corallicola*, - Bruce, Atoll Res. Bull, 205: 6.
 1977 *Hamopontonia corallicola*, - Suzuki & Hayashi, Publ. Seto mar. biol. Lab., 24 (1/3): 195-196, figs. 1b, 2b, pl. 1.
 1979 *Hamopontonia corallicola*, - Bruce, Cah. Indo-Pac., 1 (2): 236-237.
 1981 *Hamopontonia corallicola*, - Bruce, Atoll. Res. Bull., 245: 6.
 1983 *Hamopontonia corallicola*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 896, fig. 10G.
 1983 *Hamopontonia corallicola*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.
 1990 *Hamopontonia corallicola*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indonesia; Australia (Great Barrier Reef;

Peloris Island; Heron Island; Lizard Island); Hong Kong (Kat O Chau; Hui Thsui Chau, Port Shelter); Central Japan.

Depth range: 0.5-10m.

Habitat: coral reefs.

Host: Scleractinia. - *Fungia* sp.; *Fungia actiniformis*; *Heliofungia actiniformis*; (Fungiidae); *Goniopora stokesi* Milne-Edwards & Haime. Unidentified Actinaria.

***Hamopontonia essingtoni* Bruce, 1987**

1986 *Hamopontonia essingtoni* Bruce, The Beagle, 3 (1): 158-166, figs. 1C, 11-14, 15D-G.

1990 *Hamopontonia essingtoni*, - Bruce, The Beagle, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Coral Bay, Port Essington, Cobourg Peninsula).

Depth range: 6m.

Habitat: coral reefs.

Host: Scleractinia. - *Stylophora pistillata* (Esper).

***Harpiliopsis* Borradaile, 1917**

1917 *Harpiliopsis* Borradaile, Trans. Linn. Soc. Zool., 17 (2): 379 [diagnosis, key to species].

1951 *Harpiliopsis*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 69 [diagnosis, remarks].

1952 *Harpiliopsis*, - Holthuis, Siboga Exped., 39 (a10) (11): 180-181 [diagnosis, remarks].

1976 *Harpiliopsis*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

***Harpiliopsis beaupressi* (Audouin, 1825)**

1917 *Harpiliopsis beaupressi*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 379-380, pl. 55, fig. 21.

1922 *Harpilius beaupressi*, - Kemp, Rec. Indian Mus., 24: 229-231, figs. 67-68.

1950 *Harpilius beaupressi*, - Barnard, Ann. S. Afr. Mus., 38: 797-799, fig. 151f-h.

1952 *Harpiliopsis beaupressi*, - Holthuis, Siboga Exped., 39 (a10) (11): 181-182, fig. 89.

1953 *Harpiliopsis beaupressii*, - Holthuis, Atoll. Res. Bull., 24: 57.

1958 *Harpiliopsis beaupressii*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 10.

1961 *Harpiliopsis beaupressii*, - Johnson, Bull. natn. Mus., Singapore, 30: 60.

1966 *Harpiliopsis beaupressii*, - Patton, Crustaceana, 10: 276.

1974 *Harpiliopsis beaupressii*, - Bruce, Crustaceana, 27 (2): 194.

1974 *Harpiliopsis beaupressii*, - Bruce, J. mar. biol. Ass. India, 16 (2): 468.

1976 *Harpiliopsis beaupressii*, - Bruce, Zool. J. Linn. Soc., 59: 124-127, figs. 21-22, 148.

1976 *Harpiliopsis beaupressii*, - Bruce, Zool. Verh., Leiden, 145: 35-36.

1977 *Harpiliopsis beaupressi*, - Bruce, Atoll Res. Bull, 205: 8.

- 1978 *Harpiliopsis beaupressii*, - Bruce, Bull. mar. Sci., 28 (1): 128.
 1978 *Harpiliopsis beaupressii*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1979 *Harpiliopsis beaupressii*, - Bruce, Cah. Indo-Pac., 1 (2): 238.
 1981 *Harpiliopsis beaupressii*, - Bruce, Micronesica, 17 (1): 87.
 1981 *Harpiliopsis beaupressii*, - Bruce, Atoll. Res. Bull., 245: 6.
 1983 *Harpiliopsis beaupressii*, - Bruce, Austr. Mus. Sydney, Mem., 18: 202.
 1987 *Harpiliopsis beaupressii*, - Fransen, Zool. Meded., 61 (35): 510, fig. 6.
 1990 *Harpiliopsis beaupressii*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea, including Gulf of Suez; Mocambique (Delagoa Bay); Zanzibar (Mazizini, Nyange reef, Chukwani, Pange reef, Migombani, Bawi Is, Prison Is., Mangapwani, Mwemba Is); Tanganyika (Mazwi Island, Pangani); Kenya (Watamu; Casuarina Point; Ras Iwatini, Tiwi, Mombasa Island, Jadini, Shimoni); Madagascar (Tulear); Comores; Seychelles (Mahé: Port Victoria; Coetivy; Farquhar Atoll; Aldabra Atoll; Coetivy); Maldives (Mahé); Amirante Islands (St. Joseph Atoll); South Africa (Delagoa Bay); Andaman Islands (Andaman Islands); South China Sea (Pigmy Shoal, Macclesfield Bank); Singapore (Raffles Light); Indonesia; Australia (Great Barrier Reef: Heron Island); Marshall Islands (Arno Atoll, Ine village); Fiji (Viti Levu, Naviti); Samoa; Hawaii; Pitcairn; Galapagos Islands; Panamá Pacific; Chile (Easter Island: Hanga Piko).

Depth range: shallow subtidal-43m.

Habitat: Common on coral reefs, sheltered and exposed locations.

Host: Scleractinia. - *Acropora variabilis* (Klunzinger), *Seriatopora hystrix* (Dana), *Stylophora erythraea* von Marenzeller, *Stylophora mordax* (Dana), *Stylophora palmata* (Blainville), (Scleractinia); associated with several species of *Pocillopora* and *Stylophora*, see Bruce (1977), Atoll Res. Bull.

Additional synonymy: *Palaemon beaupresi* Audouin, 1825; *Harpilius beaupresi*, in Heller, 1861; *Pontonia (Harpilius) dentata* Richters, 1880.

Harpiliopsis depressa (Stimpson, 1860)

- 1917 *Harpiliopsis depressus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 380, pl. 56, fig. 22.
 1922 *Harpilius depressa*, - Kemp, Rec. Indian Mus., 24: 231-235, figs. 69-71.
 1937 *Harpilius depressus*, - Chace, Zoologica (NY), 22: 135.
 1950 *Harpilius depressus*, - Barnard, Ann. S. Afr. Mus., 38: 796-797, fig. 151a-e.
 1951 *Harpiliopsis depressus*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 70-75, pl. 21, figs. a-i, pl. 22, figs. a-f.
 1952 *Harpiliopsis depressus*, - Holthuis, Siboga Exped., 39 (a10) (11): 182-184, fig. 90.
 1952 *Harpiliopsis depressus* (Stimpson) var. *spinigera* (Ortmann), - Holthuis, Siboga Exped., 39 (a10) (11): 184-185.
 1953 *Harpiliopsis depressus*, - Holthuis, Atoll. Res. Bull., 24: 57.
 1958 *Harpiliopsis depressus*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 10.

- 1966 *Harpiliopsis depressus*, - Patton, *Crustaceana*, 10: 277.
- 1971 *Harpiliopsis depressus*, - Castro, *Pac. Sci.*, 25: 396-397.
- 1973 *Harpiliopsis depressus*, - Bruce, *Crustaceana*, 24: 139-140.
- 1974 *Harpiliopsis depressa*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 468.
- 1976 *Harpiliopsis depressus*, - Bruce, *Zool. J. Linn. Soc.*, 59: 127, 148.
- 1976 *Harpiliopsis depressa*, - Bruce, *Zool. Verh., Leiden*, 145: 36.
- 1977 *Harpiliopsis depressa*, - Bruce, *Rec. Austr. Mus.*, 31 (2): 65-67, fig. 12a-c.
- 1977 *Harpiliopsis depressus*, - Bruce, *Atoll Res. Bull.*, 205: 9.
- 1978 *Harpiliopsis depressus*, - Bruce, *Bull. mar. Sci.*, 28 (1): 128-129.
- 1978 *Harpiliopsis depressa*, - Bruce, *Zool. J. Linn. Soc.*, 62: 283.
- 1979 *Harpiliopsis depressa*, - Bruce, *Cah. Indo-Pac.*, 1 (2): 238-239.
- 1979 *Harpiliopsis depressus*, - von Prahl, Guhl & Grögl, *An. Inst. Invest. Mar. Pta. Betin*, 10: 83-84, fig. 2.
- 1981 *Harpiliopsis depressa*, - Bruce, *Micronesica*, 17 (1): 85, fig. 6.
- 1981 *Harpiliopsis depressa*, - Bruce, *Atoll. Res. Bull.*, 245: 6.
- 1983 *Harpiliopsis depressa*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 202.
- 1983 *Harpiliopsis depressa*, - Bruce, *Bull. Mus. natn. Hist. nat., Paris*, 4e sér., 5, sec. A, 3: fig. 10D, F.
- 1983 *Harpiliopsis depressa*, - Castro, *An. Inst. Invest. Mar. Pt. Betin*, 12: 11.
- 1983 *Harpiliopsis depressa*, - Wicksten, *Allan Hancock Monogr. Mar. Biol.*, 13: 15.
- 1985 *Harpiliopsis depressa*, - Bruce, *The Beagle*, 1 (14): 125.
- 1985 *Harpiliopsis depressa*, - Bruce, *Mém. Mus. natn. Hist. nat., sér. A, Zool.*, 133: 241.
- 1985 *Harpiliopsis depressa*, - Gotelli, Gilchrist & Abele, *Mar. Ecol. Progr. Ser.*, 21: 93-94 [population biology].
- 1989 *Harpiliopsis depressa*, - Bruce, *Asian Mar. Biol.*, 6: 180-181, fig. 4A.
- 1990 *Harpiliopsis depressa*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.
- 1991 *Harpiliopsis depressa*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 263-264.

Distribution: Common throughout the Indo-Pacific - Red Sea; Kenya (Malindi; Ras Iwatine; Ras Kidomoni; Jadini; Tiwi; Shimoni; Kanyika; Watamu); Zanzibar (Mazizini, Nyange reef, Migombani, Murogo reef, Latham Island); Tanganyika (Maziwi Is.); Mocambique (Delagoa Bay); Isles Glorieuses; Maldives (Funado Island, North Male Atoll); Seychelles (Mahé: Anse Etoile; Praslin: Baie St. Anne; Coetivy Island; Aldabra Atoll); South Africa (Delagoa Bay); Andaman Islands; Australia (Great Barrier Reef: West Cay, Diamond Islets; Willis Island, Restoration Rock, Heron Island, Wistari Reef, Swain Reefs); Singapore; South China Sea (South West Cay, North Danger Reef); Indonesia; Philippines (Cebu: Moalboal); New Caledonia (île Ouen, baie du Prony); Lord Howe Island (Erscott's Hole, Malabar Is.); Marshall Islands (Arno Atoll, Ine village); Fiji (Viti Levu, Naviti); Hawaii; Galapagos Islands; Panamá; Mexico; California; Costa Rica; Colombia (Isla Gorgona); along the tropical western American coast.

Depth range: 0.5-54m.

Habitat: various coral reef locations.

Host: Scleractinia. - It is usually found in association with pocilloporid corals. The number of shrimp found on each colony depends on the size of the coral head. *Pocillopora damicornis* (L.), *Pocillopora meandrina* var. *nobilis* Verrill, *P. ligulata* Dana, *Seriatopora hystrix* (Dana), *Seriatopora angulata*

Klunzinger; *Stylophora pistillata* (Esper), *Stylophora mordax* (Dana); *Acropora* sp. heads; *Porites* sp.; several *Pocillopora* hosts, see Bruce (1977), Atoll Res. Bull. Young specimens have also been collected once from a colony of the hydrozoan *Millepora* sp. In one occasion (Jacquotte 1964) a pair of shrimps was found between the spines of the echinoid *Echinometra mathaei* (de Blainville).

Additional synonymy: *Harpilius depressus* Stimpson, 1860; *Anchistia spinigera* Ortmann, 1890; *Periclimenes spinigerus* Borradaile, 1898.

***Harpiliopsis spinigera* (Ortmann, 1890)**

1890 *Anchistia spinigera* Ortmann, Zool. Jb. Syst., 5: 511, pl. 36, fig. 23.

1922 *Harpilius depressus* var. *gracilis*, - Kemp, Rec. Indian Mus., 24: 234-235, fig. 71.

1974 *Harpiliopsis spinigerus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 468.

1976 *Harpiliopsis spinigerus*, - Bruce, Zool. J. Linn. Soc., 59: 127-128, 148.

1976 *Harpiliopsis spinigera*, - Bruce, Zool. Verh., Leiden, 145: 36.

1978 *Harpiliopsis spinigera*, - Bruce, Bull. mar. Sci., 28 (1): 129.

1981 *Harpiliopsis spinigera*, - Bruce, Atoll. Res. Bull., 245: 7.

1983 *Harpiliopsis spinigera*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.

1983 *Harpiliopsis spinigera*, - Castro, An. Inst. Invest. Mar. Pt. Betin, 12: 11.

1990 *Harpiliopsis spinigera*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Kenya (Casuarina Point; Malindi; Ras Iwatine; Mombasa Island; Jadini); Tanzania; Zanzibar (Mazizini, Bawi Is., Murogo reef); Comores (Mayotte); Seychelles (Amirante Islands: Remire Island; Praslin; Astove Islands; Aldabra Atoll); Andaman Islands; Indonesia (Celebes: Mamudju); Australia (Heron Island, Wistari Reef); Loyalty Islands; Samoa; Panama- and Colombia-Pacific (Isla Gorgona).

Depth range: 2-11m.

Habitat: coral reefs.

Host: Scleractinia. - from *Stylophora mordax* (Dana), *Pocillopora eydouxi* (Milne-Edwards & Haime); *Stylophora palmata* (Blainville); *Stylophora pistillata* (Esper); *Seriatopora* sp.

Additional synonymy: *Harpilius depressa* var. *gracilis* Kemp, 1922.

***Ischnopontonia* Bruce, 1966**

1966 *Ischnopontonia* Bruce, Bull. mar. Sci., 16: 584-585 [diagnosis].

1976 *Ischnopontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].

Remarks: Scleractinia. - Associated with coral *Galaxea fascicularis* L.

***Ischnopontonia lophos* (Barnard, 1962)**

1962 *Philarius lophos* Barnard, Crustaceana, 3: 242-243, fig. 2.

- 1966 *Ischnopontonia lophos*, - Bruce, Bull. mar. Sci., 16: 585-597, figs. 1-4.
 1968 *Ischnopontonia lophos*, - Bruce, Crustaceana, 14: 13-17 [parasitism].
 1971 *Ischnopontonia lophos*, - Bruce, Zool. Verh., 114: 19-20.
 1976 *Ischnopontonia lophos*, - Bruce, Zool. Verh., Leiden, 145: 30-31.
 1974 *Ischnopontonia lophos*, - Bruce, J. mar. biol. Ass. India, 16 (2): 469.
 1976 *Ischnopontonia lophos*, - Bruce, Zool. J. Linn. Soc., 59: 120, 147.
 1977 *Ischnopontonia lophos*, - Bruce, Rec. Austr. Mus., 31 (2): 65.
 1977 *Ischnopontonia lophos*, - Bruce, Atoll Res. Bull., 205: 7.
 1978 *Ischnopontonia lophos*, - Bruce, Bull. mar. Sci., 28 (1): 127.
 1978 *Ischnopontonia lophos*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1979 *Ischnopontonia lophos*, - Bruce, Cah. Indo-Pac., 1 (2): 237.
 1980 *Ischnopontonia lophos*, - Bruce, Pac. Sci., 34 (4): 390-392.
 1981 *Ischnopontonia lophos*, - Bruce, Atoll. Res. Bull., 245: 7.
 1983 *Ischnopontonia lophos*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.
 1985 *Ischnopontonia lophos*, - Bruce, Galaxea, 4: 1-5, figs. 1-3.
 1990 *Ischnopontonia lophos*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Mozambique (Inhaca Island); Zanzibar (Mangapwani, Mazizini, Chukwani, Pange, Chango, Kibandiko reefs); Kenya (Ras Iwatine; Bamburi; Jadini; Watamu; Malindi); Tanganyika (Mazivi Island); Comores (Mayotte; Grande Comore); Seychelles (Mahé: Port Victoria; Praslin: Curieuse Bay; Farquhar Island; Aldabra Atoll); Madagascar (Tulear); La Réunion; Singapore (between Pulau Sudong and Pulau Pantai; Pulau Salu, Pulau Pawaii); Malaysia (Pulau Perhentian Besar); Australia (Queensland: One Tree Island, Heron Island, Capricorn Group; Great Palm, Orpheus and Fantôme Islands, Townsville); Ryukyu Islands; Fiji (Ndravuni, Great Astrolabe Reef).

Depth range: 1-15m.

Habitat: sheltered coral reefs locations.

Host: Scleractinia, Oculinidae. - *Galaxea fascicularis* (L.) (Scleractinia: Oculinidae)

Remarks: Often found with the bopyrid parasite *Hypophryxus pikei* in Zanzibar.

***Isopontonia* Bruce, 1982**

- 1982 *Isopontonia* Bruce, Crustaceana, 42 (1): 54-55.

***Isopontonia platycheles* Bruce, 1982**

- 1982 *Isopontonia platycheles* Bruce, Crustaceana, 42 (1): 55-63, figs. 1-5.
 1990 *Isopontonia platycheles*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: New Caledonia (Chesterfield Islands).

Depth range: 15m.

Habitat: seaward reef edge and slope.

***Jocaste* Holthuis, 1952**

- 1952 *Jocaste* Holthuis, Siboga Exped., 39 (a10) (11): 192-193 [diagnosis, remarks].

- 1976 *Jocaste*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Edean eds.), Academic Press: 83, tab. I [remarks].

Jocaste japonica (Ortmann, 1890)

- 1917 *Coralliocaris japonica*, - Borradaile, *Trans. Linn. Soc. Zool.*, 17 (2): 384, pl. 56, fig. 23.
 1966 *Jocaste japonica*, - Patton, *Crustaceana*, 10: 279-280, fig. 3b.
 1968 *Jocaste japonica*, - Miyake & Fujino, *J. Fac. Agric., Kyushu Univ.*, 14 (3): 425-426.
 1973 *Jocaste japonica*, - Bruce, *Crustaceana*, 24: 140.
 1974 *Jocaste japonica*, - Bruce, *Crustaceana*, 27 (2): 198-199, fig. 7.
 1974 *Jocaste japonica*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 469.
 1976 *Jocaste japonica*, - Bruce, *Zool. J. Linn. Soc.*, 59: 128-131, figs. 23A, B, 24; 148.
 1976 *Jocaste japonica*, - Bruce, *Zool. Verh., Leiden*, 145: 31.
 1977 *Jocaste japonica*, - Bruce, *Rec. Austr. Mus.*, 31 (2): 68-69, fig. 13d-e, g-h.
 1977 *Jocaste japonica*, - Bruce, *Atoll Res. Bull.*, 205: 10.
 1978 *Jocaste japonica*, - Bruce, *Bull. mar. Sci.*, 28 (1): 130.
 1978 *Jocaste japonica*, - Bruce, *Zool. J. Linn. Soc.*, 62: 281.
 1979 *Jocaste japonica*, - Bruce, *Cah. Indo-Pac.*, 1 (2): 239.
 1980 *Jocaste japonica*, - Bruce, *Pac. Sci.*, 34 (4): 395, fig. 3C.
 1981 *Jocaste japonica*, - Bruce, *Atoll. Res. Bull.*, 245: 7.
 1981 *Jocaste japonica*, - Bruce, *Micronesica*, 17 (1): 87-89, fig. 8.
 1983 *Jocaste japonica*, - Bruce, *Bull. Mus. natn. Hist. nat., Paris*, 4e sér., 5, sec. A, 3: 897.
 1983 *Jocaste japonica*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 203.
 1989 *Jocaste japonica*, - Franssen, *Netherlands J. Sea Res.*, 23 (2): 146.
 1990 *Jocaste japonica*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Common in the Indo-West Pacific - Kenya (Watamu; Casuarina Point; Malindi; Ras Iwatine; Kirwetu; Tiwi; Jadini; Mombasa Island; Wasin Is.); Tanzania (Tanga; Pangani); Zanzibar (Migombani; Nyange reef; Latham Island); Tanganyika (Latham Is., Maziwi Is., Pangani, Fungu Nyama, Tanga); Mocambique Channel; Madagascar (Banc Tethys, Nosy Bé); Ile Europe; Comores (Grande Comore); Seychelles (Amirante Islands: Remire Is.; Praslin: Baie St. Anne; Farquhar Atoll); Maldives (Funado Island, North Male Atoll); Mauritius; South China Sea (South West Cay, North Danger Reef); Singapore; Indonesia; Papua New-Guinea; Australia (Swain's Reef; Diamond Islets; Restoration Rock, Willis Island; Heron Island; Wistari Reef); Japan (Kagoshima); New Caledonia; Caroline Islands; Marshall Islands; Marianna Islands; Palau Islands; Fiji (Viti Levu, Naviti; Ndravuni, Great Astrolabe Reef).

Depth range: 2-15m.

Habitat: Common on coral reefs.

Host: Scleractinia. - Live branching corals; *Acropora* sp; *Acropora divaricata* (Dana), *Acropora nasuta* (Dana), *Acropora eurystoma* (Klunzinger), *Acropora humilis* (Dana), *Acropora squarrosa* (Ehrenberg), *Acropora tubicinaria* (Dana); *Acropora variabilis* (Klunzinger), (Scleractinia); associated with many *Acropora* hosts, see Bruce (1977), *Atoll Res. Bull.*

Additional synonymy: *Coralliocaris superba* var. *japonica*

Ortmann, 1890; *Jocaste lucina* Holthuis, 1952 [part].
Coralliocaris superba var. *japonica*.

***Jocaste lucina* (Nobili, 1901)**

- 1922 *Coralliocaris lucina*, - Kemp, Rec. Indian Mus., 24: 276-278, fig. 102.
 1950 *Coralliocaris lucina*, - Barnard, Ann. S. Afr. Mus., 38: 799-800, fig. 151i-m.
 1952 *Jocaste lucina*, - Holthuis, Siboga Exped., 39 (a10) (11): 193-195, fig. 94.
 1953 *Jocaste lucina*, - Holthuis, Atoll. Res. Bull., 24: 59.
 1958 *Jocaste lucina*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 11.
 1966 *Jocaste lucina*, - Patton, Crustaceana, 10: 278-279, fig. 3a.
 1967 *Jocaste lucina*, - Ledoyer, Rec. trav. sta. mar. d'Endoume-Marseille, suppl. 8: 68, pl. 3, figs. 1A-4A, pl. 14C.
 1974 *Jocaste lucina*, - Bruce, Crustaceana, 27 (2): 199, fig. 8.
 1974 *Jocaste lucina*, - Bruce, J. mar. biol. Ass. India, 16 (2): 469.
 1976 *Jocaste lucina*, - Bruce, Zool. J. Linn. Soc., 59: 131, fig. 23c, d; 148.
 1976 *Jocaste lucina*, - Bruce, Zool. Verh., Leiden, 145: 31-32.
 1977 *Jocaste lucina*, - Bruce, Rec. Austr. Mus., 31 (2): 69-71, fig. 13a-c, f, i.
 1977 *Jocaste lucina*, - Bruce, Atoll Res. Bull., 205: 10-11.
 1978 *Jocaste lucina*, - Bruce, Bull. mar. Sci., 28 (1): 130.
 1978 *Jocaste lucina*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1979 *Jocaste lucina*, - Bruce, Cah. Indo-Pac., 1 (2): 239-240.
 1980 *Jocaste lucina*, - Bruce, Pac. Sci., 34 (4): 395, fig. 3B.
 1981 *Jocaste lucina*, - Bruce, Micronesica, 17 (1): 89.
 1981 *Jocaste lucina*, - Bruce, Atoll. Res. Bull., 245: 7.
 1983 *Jocaste lucina*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 897.
 1983 *Jocaste lucina*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.
 1986 *Jocaste lucina*, - Holthuis, Zool. Meded., 60 (17): 271.
 1990 *Jocaste lucina*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea; southern Oman; Kenya (Malindi; Watamu; Casuarina Point); Zanzibar (Chukwani, Migombani, Pange reef; Mazizini, Bawi Is., Fungu Chawamba, Murogo reef, Mwemba Is.); Tanganyika (Tutia reef, Mafia and Maziwi Island); Mozambique; Seychelles (Amirante Islands: Remire Is.; Aldabra Atoll; Farquhar Atoll); Comores (Mayotte); Madagascar (Tuléar); South Africa (Delagoa Bay); Johnson Island; South China Sea (South West Cay, North Danger Reef); Borneo Bank; Indonesia; Australia (West Cay, Diamond Islets; Restoration Rock, Wistari Reef; Willis Island; Heron Island; Moreton Bay); New Caledonia; Marianas Islands (Lagoon W. of Saipan); Marshall Islands (Arno Atoll, Ine village); Gilbert Islands (Onotoa Atoll); Fiji (Viti Levu, Naviti; Ndravuni, Great Astrolabe Reef); French Polynesia (Society Archipelago: Tahiti).

Depth range: <55m.

Habitat: abundant on coral reefs, sheltered and exposed locations.

Host: Scleractinia. - usually associated with corals of the genus *Acropora*; *Acropora* sp.; *Acropora* cf. *conferta* (Quelch); *Acropora corymbosa* (Lam.), *Acropora variabilis* (Klunzinger); *Acropora haimei* (Milne-Edwards & Haine); *Porites*

sp.; *Pocillopora verrucosa* (Ellis & Solander); *Stylophora* sp. (Scleractinia); many *Acropora* hosts, see Bruce (1977), Atoll Res. Bull.; *Millepora* sp. (Hydroida).

Remarks: record of Bruce (1969) from Bet Reef (Australia) erroneous.

Additional synonymy: *Coralliocaris lucina* Nobili, 1901; ?*Coralliocaris lamellirostris* Stimpson, 1860; *Coralliocaris japonica* Borradaile, 1917; *Coralliocaris superba* Urita, 1921; ?*Coralliocaris superba* var. *japonica* Ortmann, 1890.

***Mesopontonia* Bruce, 1967**

1967 *Mesopontonia* Bruce, Zool. Verh., 87: 13 [diagnosis].

1976 *Mesopontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Associated with gorgonians.

***Mesopontonia brucei* Burukovsky, 1991**

1991 *Mesopontonia brucei* Burukovsky, Zool., Zh., 70 (11): 38, figs. 8-18.

Distribution: SW Indian Ocean

Depth range: 415-460m.

***Mesopontonia gorgoniophila* Bruce, 1967**

1967 *Mesopontonia gorgoniophila* Bruce, Zool. Verh., 87: 13-23, figs. 5-9.

1979 *Mesopontonia gorgoniophila*, - Bruce, Cah. Indo-Pac., 1 (2): 241.

1983 *Mesopontonia gorgoniophila*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.

1985 *Mesopontonia gorgoniophila*, - Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 248.

1990 *Mesopontonia gorgoniophila*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

1991 *Mesopontonia gorgoniophila*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 391.

Distribution: Indo-West Pacific. - northern South China Sea; Australia (Coral Sea); Philippines; New Caledonia.

Depth range: 76-270m.

Host: Gorgonaria. - *Acabaria frondosa* (Brundin), *Acabaria gracillima* (Ridley), *Melitheia albitincta* (Ridley) (Gorgonacea).

***Mesopontonia gracilicarpus* Bruce, 1990**

1990 *Mesopontonia gracilicarpus* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 102-211, figs. 34-37, 391-m.

1990 *Mesopontonia gracilicarpus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

1991 *Mesopontonia gracilicarpus*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 391-392, fig. 64.

Distribution: New Caledonia (Isle of Pines).
Depth range: 398-440m.

***Mesopontonia monodactylus* Bruce, 1991**

1991 *Mesopontonia monodactylus* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 392-400, figs. 65-69.

Distribution: Loyalty Islands.
Depth range: 460m.
Host: Porifera: *Phoronema* sp. (Phoronematidae: Hexactinella).

***Metapontonia* Bruce, 1967**

1976 *Metapontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].

***Metapontonia fungiacola* Bruce, 1967**

- 1967 *Metapontonia fungiacola* Bruce, Zool. Verh., 87: 24-32, figs. 10-12.
1972 *Metapontonia fungiacola*, - Bruce, J. E-Afr. Nat. Hist. Soc. & Natn. Mus., 134: 1-5, fig. 1, pls. 1-2.
1974 *Metapontonia fungiacola*, - Bruce, J. mar. biol. Ass. India, 16 (2): 469.
1974 *Metapontonia fungiacola*, - Bruce, Crustaceana, 27 (2): 196-197, fig. 5.
1976 *Metapontonia fungiacola*, - Bruce, Zool. J. Linn. Soc., 59: 147.
1977 *Metapontonia fungiacola*, - Bruce, Atoll Res. Bull, 205: 7.
1978 *Metapontonia fungiacola*, - Bruce, Bull. mar. Sci., 28 (1): 131-132.
1985 *Metapontonia fungiacola*, - Bruce, Galaxea, 4: 8, fig. 6.

Distribution: Comores (Mayotte, Pamanzi Reef); Kenya (Jadini); Tanganyika (Maziwi Island); La Réunion; Seychelles (Farquhar Island); Okinawa.

Depth range: 2-3m.

Habitat: coral reefs.

Host: Scleractinia. - (*Herpolitha limax* (Houttuyn); Fungiidae. - *Fungia* spp., *Halomitra pileus* (L.), not on *Heliofungia*; Faviidae. - *Goniastrea pectinata* (Ehrenberg), *Hydnophora microconos* (Lam.).

Remarks: This is one of the smallest known pontonine shrimps.

***Miopontonia* Bruce, 1985**

1985 *Miopontonia* Bruce, Crustaceana, 48 (2): 167-168 [diagnosis, remarks].

***Miopontonia yongei* Bruce, 1985**

1985 *Miopontonia yongei* Bruce, Crustaceana, 48 (2): 168-177, figs. 1-5.

1990 *Miopontonia yongei*, - Bruce, *The Beagle*, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (NW-shelf)
 Depth range: 40-80m.
 Host: ?Antipatharia; ?Gorgonaria.

***Neoanchistus* Bruce, 1975**

1975 *Neoanchistus* Bruce, *Crustaceana*, 29 (2): 149-150 [diagnosis, remarks].

***Neoanchistus cardiodytes* Bruce, 1975**

1975 *Neoanchistus cardiodytes* Bruce, *Crustaceana*, 29 (2): 151-161, figs. 1-6.
 1978 *Neoanchistus cardiodytes*, - Bruce, *Zool. J. Linn. Soc.*, 62: 287 [text].

Distribution: Madagascar (Nosy Bé).
 Host: Mollusca: Bivalvia. - *Cardium pectiniforme* Born;
Trachycardium pectiniforme (Born) (Cardiidae, Lamellibranchia).

***Neoanchistus nasalis* Holthuis, 1986**

1986 *Neoanchistus nasalis* Holthuis, *Zool. Meded.*, 60 (17): 264-269, figs. 1-2.

Distribution: southern Oman (near Raysut Harbour, Dhofar).
 Depth range: 10m.
 Habitat: artificial reef.
 Host: Mollusca: Bivalvia. - in *Chlamys townsendi* (G.B. Sowerby).

***Neopontonides* Holthuis, 1951**

1951 *Neopontonides* Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 189 [diagnosis, remarks, key to species].
 1976 *Neopontonides*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Octocorallia. - Gorgonian hosts.

***Neopontonides dentiger* Holthuis, 1951**

1951 *Neopontonides dentiger* Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 193-195, pl. 61, figs. a-1.
 1983 *Neopontonides dentiger*, - Hendrickx, Wicksten & van der Heiden, *Proc. biol. Soc. Wash.*, 96 (1): 70.
 1983 *Neopontonides dentiger*, - Wicksten, *Allan Hancock Monogr. Mar. Biol.*, 13: 20.
 1986 *Neopontonides dentiger*, - Heard, R.W., *J. Crust. Biol.*, 6 (3): 473, fig. 1C.
 1986 *Neopontonides dentiger*, - Rios, *Proc. biol. Soc. Wash.*, 99 (3): 429-431, fig. 1.
 1987 *Neopontonides dentiger*, - Cantera, v. Prahel & Neira, *Bol. Ecotrop.*, 17: 14-

15, fig. 5.

Distribution: Gulf of California; Mexico; Colombia (Isla Gorgona); Ecuador (off Cape San Francisco).

Depth range: 4-66m.

Habitat: mud, sand, rocks and algae.

***Notopontonia* Bruce, 1991**

1991 *Notopontonia* Bruce, J. Crust. Biol., 11 (4): 607-608 [diagnosis, remarks].

***Notopontonia platycheles* Bruce, 1991**

1991 *Notopontonia platycheles*, - Bruce, J. Crust. Biol., 11 (4): 608-615, figs. 1-6, 14E.

Distribution: S-Australia (NW of Robe).

Depth range: 64m.

***Onycocaridella* Bruce, 1981**

1981 *Onycocaridella* Bruce, J. Crust. Biol., 1 (2): 241-242 [diagnosis, remarks], 249 [key to species].

Remarks: All species are associated with sponges.

***Onycocaridella monodoa* (Fujino & Miyake, 1969)**

1969 *Onycocaris monodoa* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 405-413, figs. 1-5.

1981 *Onycocaris monodoa*, - Bruce, Atoll. Res. Bull., 245: 8.

1983 *Onycocaridella monodoa*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.

1990 *Onycocaridella monodoa*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - La Réunion; Japan (Ryukyu Islands; Amami Islands); Australia (Queensland: Heron Island; Tryon Island).

Depth range: littoral.

Habitat: coral reefs.

Host: Porifera: *Paraesperella bidentata* Dendy; encrusting sponge in *Acropora*; *Paraesperella*.

***Onycocaridella prima* Bruce, 1981**

1981 *Onycocaridella prima* Bruce, J. Crust. Biol., 1 (2): 243-249, figs. 1-6.

1983 *Onycocaridella prima*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.

1990 *Onycocaridella prima*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Queensland: Wistari Reef on Heron Island, Capricorn Islands).

Depth range: 12m.

Habitat: The host sponge was collected from a steep reef-front slope.

Host: Porifera. - *Mycale sulcata* Hentschel.

Onycocaridella stenolepis (Holthuis, 1952)

1952 *Onycocaris stenolepis* Holthuis, Siboga Exped., 39 (a10) (11): 148-150, figs. 66-68.

1953 *Onycocaridella stenolepis*, - Holthuis, Atoll. Res. Bull., 24: 57.

1972 *Onycocaridella stenolepis*, - Bruce, Pac. Sci., 26: 75-76, fig. 7.

1990 *Onycocaridella stenolepis*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Philippines (Sulu Archipelago: Pearl Bank); Australia (Queensland: Heron Island); Marshall Islands (Arno Atoll, Ine village); Fiji (Viti Levu: Sigatoka).

Depth range: 0.5-15m.

Habitat: coral reefs.

Host: ?Sceractinia; Porifera. - coral *Euphyllia glabrescens*, but was probably associated with an encrusting sponge.

Onycocaridites Bruce, 1987

1987 *Onycocaridites* Bruce, J. Crust. Biol., 7 (4): 771-772 [diagnosis, remarks].

Onycocaridites anomodactylus Bruce, 1987

1987 *Onycocaridites anomodactylus* Bruce, J. Crust. Biol., 7 (4): 772-779, figs. 1-4.

1990 *Onycocaridites anomodactylus*, - Bruce, The Beagle, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Arafura Sea.

Depth range: 60m.

Host: Porifera. - unidentified sponge.

Onycocaris Nobili, 1904

1922 *Onycocaris*, - Kemp, Rec. Indian Mus., 24: 278 [remarks].

1952 *Onycocaris*, - Holthuis, Siboga Exped., 39 (a10) (11): 147 [remarks, key to species].

1969 *Onycocaris*, - Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 404-405 [key to species], 444-447 [general remarks].

1971 *Onycocaris*, - Bruce, J. nat. Hist., 5: 297-298 [key to species].

1976 *Onycocaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

1978 *Onycocaris*, - Bruce, Zool. J. Linn. Soc., 62: 278-279 [key to species].

1981 *Onycocaris*, - Bruce, J. Crust. Biol., 1 (2): 242-243 [diagnosis].

Remarks: Porifera. - Apparently all found in association

with sponges.

Onycocaris amakusensis Fujino & Miyake, 1969

- 1969 *Onycocaris amakusensis* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 413-415, figs. 6, 8a-c, 9a-c.
 1974 *Onycocaris amakusensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 469.
 1981 *Onycocaris amakusensis*, - Bruce, Atoll. Res. Bull., 245: 8.
 1983 *Onycocaris amakusensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.
 1990 *Onycocaris amakusensis*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Zanzibar (off Chumbe Is.); Australia (Queensland: Heron Island); Hong Kong; Japan (Amakusa Islands); Hawaii.

Depth range: low water to 18m.

Habitat: coral reefs.

Host: Porifera. - *Callyspongia* sp.

Onycocaris aualitica (Nobili, 1904)

- 1906 *Coralliocaris (Onycocaris) aualitica*, - Nobili, Ann. Sci. nat. Zool., ser. 9 (4): 60, pl. 3, fig. 3.
 1952 *Onycocaris aualitica*, - Holthuis, Siboga Exped., 39 (a10) (11): 147.

Distribution: Red Sea; Djibouti.

Onycocaris callyspongiae Fujino & Myiake, 1969

- 1969 *Onycocaris callyspongiae* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 422-429, figs. 10-12.
 1974 *Onycocaris callyspongiae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 469.

Distribution: Zanzibar (off Prison Is.); Tanganyika (Kunduchi).

Depth range: littoral-8m.

Habitat: "on the reef flat" (Bruce).

Host: Porifera. - "found in the stomach cavities of sponges, *Callyspongia elegans* (Thiele) and *C. confoederata* (Ridley)" (Fujino & Miyake); "from the sponge *Haliclona* sp." (Bruce).

Onycocaris furculata Bruce, 1979

- 1979 *Onycocaris furculata* Bruce, Cah. Indo-Pac., 1 (3): 323-334, figs. 1-4.

Distribution: La Réunion.

Depth range: 20m.

Habitat: outer reef slope, under dead base of *Acropora valida* (Dana).

***Onycocaris longirostris* Bruce, 1980**

- 1980 *Onycocaris longirostris* Bruce, Cah. Indo-Pac., 2 (1): 15-25, figs. 6-10.
 1990 *Onycocaris longirostris*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: New Caledonia (Nouméa, Ilot Maitre).
 Depth range: 20m.
 Host: Porifera. - *Siphonochalina* sp.

***Onycocaris oligodentata* Fujino & Miyake, 1969**

- 1969 *Onycocaris oligodentata* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 415-422, figs. 7, 8d-f, 9d-f.
 1979 *Onycocaris oligodentata*, - Bruce, Cah. Indo-Pac., 1 (2): 236.
 1981 *Onycocaris oligodentata*, - Bruce, Atoll. Res. Bull., 245: 8.
 1982 *Onycocaris oligodentata*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 268-272, figs. 22-24.
 1983 *Onycocaris oligodentata*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.
 1990 *Onycocaris oligodentata*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Hong Kong (Cape de Aguilar); Australia (Queensland: Heron Island); Japan (Amakusa Islands); Hong Kong (Hoi Ha Wan, Tolo Channel, Kat O Chau).
 Depth range: 0.5-17m.
 Habitat: coral reefs.
 Host: Porifera. - *Haliclona implex* (Schmidt); *Spongionella*; *Siphonochalina*; *Pachychalina*; *Callyspongia*.
 Remarks: probably synonymous with *Onycocaris aualitica* (Nobili).

***Onycocaris profunda* Bruce, 1985**

- 1985 *Onycocaris profunda* Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 241-247, figs. 8-11.

Distribution: Philippines.
 Depth range: 81-84m.

***Onycocaris quadratophthalma* (Balss, 1921)**

- 1921 *Pontonia quadratophthalma* Balss, K. Svensk. Vetensk. Akad. Handl., 61 (10): 15, fig. 7.
 1952 *Onycocaris quadratophthalma*, - Holthuis, Siboga Exped., 39 (a10) (11): 150-151.
 1967 *Onycocaris quadratophthalma*, - Miyake & Fujino, J. Fac. Agric., 14 (2): 283-286, figs. 4, 5a-e.
 1969 *Onycocaris quadratophthalma*, - Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15 (4): 435-444, figs. 16-18.
 1971 *Onycocaris quadratophthalma*, - Castro, Pac. Sci., 25: 396.
 1983 *Onycocaris quadratophthalma*, - Bruce, Austr. Mus. Sydney, Mem., 18: 203.
 1990 *Onycocaris quadratophthalma*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18,

tab. 2.

Distribution: Indo-Pacific - W-Australia (Cape Jaubert); Japan (Amakusa Islands; Ryukyu Islands); Wake Island; Hawaii.

Depth range: littoral.

Host: Porifera. - *Toxadocia violacea* de Laubenfels (Demospongia); found inside the spongocoel of the host; also commensal with the sponge, *Callyspongia elegans* (Thiele).

***Onycocaris seychellensis* Bruce, 1971**

1971 *Onycocaris seychellensis* Bruce, Crustaceana, 20: 208-218, figs. 1-6.

1976 *Onycocaris seychellensis*, - Bruce, Zool. J. Linn. Soc., 59: 147.

1974 *Onycocaris seychellensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.

Distribution: Kenya (Kisiti Is.); Seychelles (Mahé, Anse Etoile).

Depth range: 0.5-18m.

Habitat: Scleractinia. - in a colony of a sponge on the base of a colony of the coral *Stylophora erythraea* von Marenzeller.

Host: sponge *Adocia cinerea* (Grant); *Haliclona* sp.

***Onycocaris spinosa* Fujino & Miyake, 1969**

1969 *Onycocaris spinosa* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 15: 429-435, figs. 13-15.

1985 *Onycocaris spinosa*, - Bruce, Galaxea, 4: 9-10.

1990 *Onycocaris spinosa*, - Bruce, The Beagle, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Queensland: Heron Island); Ryukyu Islands (Yoron-jima, Okinawa).

Depth range: 10m.

Habitat: reef slope.

Host: Porifera. - unidentified sponges.

***Onycocaris trullata* Bruce, 1978**

1978 *Onycocaris trullata* Bruce, Zool. J. Linn. Soc., 62: 269-277, figs. 36-41.

Distribution: Madagascar (Tany-Kely)

Depth range: 28m.

***Onycocaris zanzibarica* Bruce, 1971**

1971 *Onycocaris zanzibarica* Bruce, J. nat. Hist., 5: 293-298, figs. 1-2.

1974 *Onycocaris zanzibarica*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.

Distribution: Kenya (Howards Rock, Wasin Is.); Zanzibar (off Chumbe Is.).

Depth range: 7m.

Habitat: sandy bottom.
Host: Porifera. - *Raphidophlus* sp.

***Orthopontonia* Bruce, 1982**

1982 *Orthopontonia* Bruce, *Crustaceana*, 43 (2): 163-165.

***Orthopontonia ornata* (Bruce, 1969)**

- 1970 *Periclimenaeus ornatus* Bruce, *Zool. Meded.*, 44 (21): 313-314.
1974 *Periclimenaeus ornatus*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 473.
1981 *Periclimenaeus ornatus*, - Bruce, *Atoll. Res. Bull.*, 245: 11-12.
1982 *Orthopontonia ornata*, - Bruce, *Crustaceana*, 43 (2): 165-175, figs. 1-5, pl. 1.
1983 *Periclimenaeus ornatus*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 205.
1990 *Orthopontonia ornata*, - Bruce, *The Beagle*, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Tanganyika (Pangani Bay); Zanzibar (off Pange reef); Australia (Great Barrier Reef. - Heron Island, Capricorn Group).

Depth range: 0.5-46m.

Habitat: coral reefs.

Host: Porifera. - *Jaspis stellifera* (Carter).

***Palaemonella* Dana, 1852**

- 1917 *Palaemonella*, - Borradaile, *Trans. Linn. Soc. Zool.*, 17 (2): 356-357 [diagnosis, key to species].
1922 *Palaemonella*, - Kemp, *Rec. Indian Mus.*, 24: 122-123 [remarks, key species].
1951 *Palaemonella*, - Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 11-12 [diagnosis, remarks, key to American species].
1952 *Palaemonella*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 22 [remarks].
1970 *Palaemonella*, - Bruce, *Crustaceana*, 19: 273-275, figs. 1-2 [diagnosis, remarks, key to Indo-West Pacific species, distribution map of species].
1975 *Palaemonella*, - Bruce, *Crustaceana*, 29 (2): 183-184 [distribution of species, general remarks].
1976 *Palaemonella*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].
1991 *Palaemonella*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 234-235 [key to Indo-West Pacific species].

***Palaemonella asymmetrica* Holthuis, 1951**

1951 *Palaemonella asymmetrica* Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 19-22, pl.5, figs. a-h.

Distribution: Galapagos Archipelago.

Depth range: littoral.

Habitat: coastal waters, living on rocky or sandy bottom.

***Palaemonella burnsi* Holthuis, 1973**

1973 *Palaemonella burnsi* Holthuis, Zool. Verh., 128: 24-30, figs. 8-9.

Distribution: Hawaii.

Habitat: in land-locked saltwater pools, salinity 24-27‰.

***Palaemonella crosnieri* Bruce, 1978**

1974 *Palaemonella crosnieri*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.

1978 *Palaemonella crosnieri* Bruce, Zool. J. Linn. Soc., 62:210-214, figs. 2-4.

Distribution: Kenya (Leven reef, Mombasa; Mombasa Harbour); Iles Glorieuses.

Habitat: coral reefs.

Depth range: low tide-26m.

Host: ?Scleractinia. - *Acropora* colony with sponges.

***Palaemonella disalvoi* Fransen, 1987**

1987 *Palaemonella disalvoi* Fransen, Zool. Meded., 61 (35): 511-519, figs. 7-12.

Distribution: Chile (Easter Island: Tahai; Motu Tautara).

Depth range: 35-60m.

Habitat: dead corals.

***Palaemonella dolichodactylus* Bruce, 1991**

1990 *Palaemonella dolichodactylus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

1991 *Palaemonella dolichodactylus* Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 232-234, figs. 6f-1, 7.

1991 *Palaemonella dolichodactylus*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 301.

Distribution: New Caledonia (île Ouen, baie du Prony; Lagon Est).

Depth range: 44-70m.

***Palaemonella holmesi* (Nobili, 1907)**

1951 *Palaemonella holmesi*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 13-19, pl.3, figs. a-h, pl.4, figs. a-i.

1983 *Palaemonella holmesi*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 13-14.

Distribution: E-Pacific. - California; Lower California; Mexico; Costa Rica; Panama; Colombia; Ecuador; Galapagos Archipelago.

Depth range: littoral-90m.

Habitat: Inhabits shallow coastal waters, where it lives on sand or on rocky bottom. Only once it has been reported from a mud bottom. Probably *P. holmesi* prefers to live among corals and seaweeds.

Additional synonymy: *Anchista tenuipes* Holmes, 1900; *Periclimenes holmesi* Nobili, 1907; *Periclimenes (Falciger) holmesi* Borradaile, 1917; *Periclimenes (Ancylocaris) holmesi* Kemp, 1922; partly confused with *Periclimenes tenuipes* (in Rathbun, 1904; Schmitt, 1921, 1924; Hewatt 1946).

***Palaemonella lata* Kemp, 1922**

- 1922 *Palaemonella lata* Kemp, Rec. Indian Mus., 24: 127-129, figs. 3-6.
 1952 *Palaemonella lata*, - Holthuis, Siboga Exped., 39 (a10) (11): 22-24, figs. 1, 2c-d.
 1970 *Palaemonella lata*, - Bruce, Crustaceana, 19: 284-285, fig. 1.
 1974 *Palaemonella lata*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.
 1975 *Palaemonella lata*, - Bruce, Crustaceana, 29 (2): 184 [distribution].
 1990 *Palaemonella lata*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Zanzibar (Makunduchi); Andaman Islands (Port Blair); Indonesia (near Badjalmati, East Java; near Kupang, Timor); Hawaii (Kaunakakai, Molokai Island; Oahu, Honolulu Harbour).

Depth range: intertidal zone.

Habitat: rock pools and coral reef flats.

Host: ?Porifera. - unidentified large sponge in reef pool.

***Palaemonella pottsii* (Borradaile, 1915)**

- 1922 *Palaemonella pottsii*, - Kemp, Rec. Indian Mus., 24: 126-127.
 1961 *Palaemonella pottsii*, - Johnson, Bull. natn. Mus., Singapore, 30: 57-58.
 1970 *Palaemonella pottsii*, - Bruce, Crustaceana, 19: 279-284, pl. 1, figs. a-d; text-figs. 1, 3-7.
 1974 *Palaemonella pottsii*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.
 1975 *Palaemonella pottsii*, - Bruce, Crustaceana, 29 (2): 184 [distribution].
 1977 *Palaemonella pottsii*, - Bruce, Rec. Austr. Mus., 31 (2): 41.
 1979 *Palaemonella pottsii*, - Bruce, Cah. Indo-Pac., 1 (2): 217-218.
 1981 *Palaemonella pottsii*, - Bruce, Atoll. Res. Bull., 245: 8.
 1982 *Palaemonella pottsii*, - Bruce, Mem. Austr. Mus., 16: 195 [echinoderm host records].
 1983 *Palaemonella pottsii*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 873-874.
 1983 *Palaemonella pottsii*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.
 1989 *Palaemonella pottsii*, - Bruce, Asian Mar. Biol., 6: 173-175.
 1989 *Palaemonella pottsii*, - Markham, The Beagle, 6 (1): 142-144 [parasitism, Isopoda].
 1990 *Palaemonella pottsii*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Kenya (Mombasa, Port Jesus); Zanzibar (Chapani Is.); Singapore (Pulau Hantu, off Pulau Pawai); Torres Straits (Mabuaig and Murray Island); Indonesia;

Philippines (Cebu: Moalboal); Australia (Queensland: Great Barrier Reef, One Tree Island, Heron Island, Capricorn Group; Torres Strait); New Caledonia (Nouméa); Marshall Islands (Eniwetok Atoll; Japtan Island).

Depth range: 2-29m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - *Comantheria* cf. *rotula* A.H. Clark, *Comanthina schlegeli* (P.H. Carpenter), *Commanthus benneti* (J. Müller), *Commanthus parvicirrus* (J. Müller), *Commanthus timorensis* (J. Müller), *Himerometra robustispina* (P.H. Carpenter).

Remarks: The only species of the genus associated with echinoderms. The bopyrid isopod *Palaemonellione cebuensis* Markham, 1989 is known as parasite of the shrimp.

Additional synonymy: *Periclimenes pottsi*; *Periclimenes (Falciger) pottsi* Borradaile, 1915; *Periclimenes (Cuapetes) pottsi* Clark, 1921.

***Palaemonella pusilla* Bruce, 1975**

1974 *Palaemonella pusilla*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470.

1975 *Palaemonella pusilla* Bruce, Crustaceana, 29 (2): 169-177, figs. 1-5; 184 [distribution].

Distribution: Kenya (Kisiti Island, near Wasin).

Depth range: littoral.

Habitat: occurs on sheltered coral reef locations, where it was found on the non-living base of a coral colony at low tide level.

***Palaemonella rotumana* (Borradaile, 1898)**

1898 *Periclimenes rotumanus* Borradaile, Proc. Zool. Soc. London, 1898: 1005, pl. LXIII, figs. 5-5b.

1922 *Periclimenes (Ancylocaris) rotumanus*, - Kemp, Rec. Indian Mus., 24: 226.

1922 *Palaemonella vestigialis* Kemp, Rec. Indian Mus., 24: 123-126, text-figs. 1-2, pl. III, fig. 2.

1952 *Palaemonella vestigialis*, - Holthuis, Siboga Exped., 39 (a10) (11): 24-27, figs. 2a-b, 3.

1953 *Palaemonella vestigialis*, - Holthuis, Atoll. Res. Bull., 24: 55.

1958 *Palaemonella vestigialis*, - Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 14, fig. 3.

1961 *Palaemonella vestigialis*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.

1970 *Palaemonella rotumana*, - Bruce, Crustaceana, 19: 276-278, pl.1, figs. e-f; text-fig. 2.

1971 *Palaemonella vestigialis*, - Bruce, Smiths. Contr. Zool., 82: 4.

1972 *Palaemonella rotumana*, - Bruce, Pac. Sci., 26: 64-65.

1974 *Palaemonella rotumana*, - Bruce, J. mar. biol. Ass. India, 16 (2): 470-471.

1975 *Palaemonella rotumana*, - Bruce, Crustaceana, 29 (2): 182-183; 181 [comparison with *P. spinulata*], 184 [distribution].

1976 *Palaemonella rotumana*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 32.

1976 *Palaemonella rotumana*, - Bruce, Zool. J. Linn. Soc., 59: 93-94, fig. 4., 144.

- 1976 *Palaemonella rotumana*, - Bruce, Zool. Verh., Leiden, 145: 5.
 1977 *Palaemonella rotumana*, - Bruce, Rec. Austr. Mus., 31 (2): 40-41.
 1978 *Palaemonella rotumana*, - Bruce, Zool. J. Linn. Soc., 62: 208-209.
 1979 *Palaemonella rotumana*, - Bruce, Cah. Indo-Pac., 1 (2): 216-217.
 1981 *Palaemonella rotumana*, - Bruce, Micronesica, 17 (1): 78-79.
 1981 *Palaemonella rotumana*, - Bruce, Atoll. Res. Bull., 245: 8-9.
 1982 *Palaemonella rotumana*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 235-236, fig. 1.
 1983 *Palaemonella rotumana*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 873.
 1983 *Palaemonella rotumana*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.
 1986 *Palaemonella rotumana*, - Bruce, The Beagle, 3 (1): 213. [bopyrid parasite].
 1990 *Palaemonella rotumana*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Palaemonella rotumana*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 229-232, figs. 5, 6a-e.

Distribution: Western and Eastern Mediterranean; Indo-Pacific. - Suez Canal; Red Sea; Arabia (Safaga); Aden (Gold Mohur Bay); Kenya (Watamu; Casuarina Point; Mombasa, Old Harbour, Ras Iwatine, Mombasa Island, Wasin Island, Shimoni, Kirwetu, Kikambala, Bamburi); Zanzibar (Migombani, Bawi Is., Zanzibar Harbour, Mazizini, Chukwami, Pange and Nyange reefs, off Mweni, Fumba, Kwala Is., Mangapwani, Fungu Mapape, Marumbi, Chango Is.); Tanganyika (Maziwi Island near Pangani; Mafia Is.); Maldives (Male Atoll, Dunidu Island); Comores (Ile Mayotte); Seychelles (Mahé: Anse Étoile; Anse Royale; Cerf Island); Mocambique (Delagoa Bay); Castor Bank, Mocambique Channel; Madagascar (Baie di Ampasindava; Trois Fères, Nosy Bé); Sri Lanka (Galle Fort); Singapore (near Pulau Jong, near Pulau Renget, Pulau Salu, Pulau Sudong, Pulau Hantu); Malaysia (Pangkor Island); Hong Kong (Kat O Chau); Macclesfield Bank; Indonesia (Ambon: Marsegu, Gorong Islands); Philippines (Sulu Archipelago: North Ubian Island; off Lubang); Australia (Queensland: Moreton Bay, Deception Bay; North Stradbroke Island, Myora; Great Barrier Reef, Low Isles, One Tree Island, Heron Island; North East Cay, Herald Group, Capricorn Group); New Caledonia (Niuméa, île Ouen in baie du Prony, Baie de St. Vincent, Ile Testard sud, îlot Maître); Marianas Islands (lagoon west of Saipan); Fiji (Viti Levu, Naviti, Rotuma, Sigatoka); Marshall Islands (Eniwetok Atoll); Hawaii.

Depth range: 0.5-107m.

Habitat: Coral reefs. - Most of the specimens were found among corals in shallow water or reef flat pools; sometimes on muddy shores and pearlbanks.

Host: Scleractinia. - *Galaxea clavus*; *Stylophora pistillata* (Esper), *Seriatopora hystrix* (Dana), *Acropora tubicinaria* (Dana), *Acropora variabilis* (Klunz.) and *Porites nigrescens* (Dana); *Euphyllia glabrescens*.

Remarks: though often found on corals, the species is considered to be free-living. It has been infected by the bopyrid parasite *Metaphryxus intutus* in Australia and Zanzibar.

Additional synonymy: *Palaemonella vestigialis* Kemp, 1922; *Periclimenes rotumanus*; *Palaemonella tenuipes*, in Rathbun,

1906; *Palaemonella vitiensis* Nobili, 1899.

***Palaemonella spinulata* Yokoya, 1936**

- 1936 *Palaemonella spinulata* Yokoya, Jap. J. Zool., 7: 135-137, fig. 4.
 1970 *Palaemonella spinulata*, - Bruce, Crustaceana, 19: 285-286, fig. 1.
 1974 *Palaemonella spinulata*, - Bruce, J. mar. biol. Ass. India, 16 (2): 471.
 1975 *Palaemonella spinulata*, - Bruce, Crustaceana, 29 (2): 177-181, figs. 6-7;
 184 [distribution].
 1978 *Palaemonella spinulata*, - Bruce, Zool. J. Linn. Soc., 62: 209, fig. 1.
 1981 *Palaemonella spinulata*, - Bruce, Atoll. Res. Bull., 245: 9.
 1983 *Palaemonella spinulata*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.
 1990 *Palaemonella spinulata*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific. - Seychelles (Farquhar); Kenya (Ras Iwatine, Bamburi; Mombasa, Port Jesus; Kisiti Island); Tanganyika (Maziwi Is.); Tanzania (Maziwi Island, Pangani); La Réunion (Souris Chaude); Australia (Queensland: Heron Island; Dulwich, Moreton Bay); Japan (near Misaki).

Depth range: 10-32m.

Habitat: coral reefs, among dead corals.

***Palaemonella tenuipes* Dana, 1852**

- 1952 *Palaemonella tenuipes*, - Holthuis, Siboga Exped., 39 (a10) (11): 27-28.
 1953 *Palaemonella tenuipes*, - Holthuis, Atoll. Res. Bull., 24: 55.
 1922 *Palaemonella tenuipes*, - Kemp, Rec. Indian Mus., 24: 129-131, figs. 7-8.
 1970 *Palaemonella tenuipes*, - Bruce, Crustaceana, 19: 274-276, fig. 1.
 1971 *Palaemonella tenuipes*, - Bruce, Smiths. Contr. Zool., 82: 4.
 1972 *Palaemonella tenuipes*, - Bruce, Pac. Sci., 26: 64.
 1974 *Palaemonella tenuipes*, - Bruce, Crustaceana, 27 (2): 189-190.
 1976 *Palaemonella tenuipes*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 32.
 1976 *Palaemonella tenuipes*, - Bruce, Zool. J. Linn. Soc., 59: 144.
 1978 *Palaemonella tenuipes*, - Bruce, Zool. J. Linn. Soc., 62: 208.
 1981 *Palaemonella tenuipes*, - Bruce, Micronesica, 17 (1): 78, fig. 1.
 1990 *Palaemonella tenuipes*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: known from the Red Sea to Wake, Palmyra Islands and Hawaii; Comores (Isles Glorieuses); Seychelles (Farquhar Atoll); Maldives; Chagos Archipelago; Malaysia (off Sembilan Island, Perak); Indonesia; Philippines (Sulu Sea); Japan; Ellice Islands (Funafuti); Marshall Islands (Arno Atoll, Ine Village); Palmyra and Wake Island; Fiji (Viti Levu: Naviti; fringing reef at Sigatoka); Hawaii.

Depth range: intertidal-1m.

Habitat: Sheltered coral reef locations, reef flat and pools. Found on *Millepora tenera*, *Acropora*, *Pocillopora damicornis* and *Seriatopora hystrix*, but considered to be free-living.

Additional synonymy: *Palaemonella tridentata* Borradaile, 1898; *Palaemonella elegans* Borradaile, 1915.

***Paranchistus* Holthuis, 1952**

- 1952 *Paranchistus* Holthuis, Siboga Exped., 39 (a10) (11): 91-92 [diagnosis, remarks, key to species].
- 1976 *Paranchistus*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Edean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Mollusca: Bivalvia. - Lamellibranch hosts.

***Paranchistus armatus* (H. Milne-Edwards, 1837)**

- 1952 *Paranchistus biunguiculatus*, - Holthuis, Siboga Exped., 39 (a10) (11): 93-97. figs. 36-38.
- 1953 *Paranchistus biunguiculatus*, - Holthuis, Atoll. Res. Bull., 24: 56.
- 1967 *Anchistus armatus*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 2e Sér., 39 (3): 564-567.
- 1968 *Paranchistus biunguiculatus*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 417.
- 1975 *Paranchistus armatus*, - Bruce, Crustaceana, 29 (1): 49-54, figs. 1-3.
- 1979 *Paranchistus armatus*, - Bruce, Crustaceana, Suppl. 5: 226-227.
- 1983 *Paranchistus armatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.
- 1990 *Paranchistus armatus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Indonesia (Moluccas); Papua New-Guinea; Australia (Undine Reef, Cape Tribulation; Cairns area; Michaelmas Cay; Arlington Reef); Marshall Islands (Eniwetok and Ujae Atoll); Gilbert Islands (Onotoa Atoll); Palau Islands; New Britain.

Depth range: littoral.

Habitat: coral reefs.

Host: Mollusca: Bivalvia. - in the mantle cavity of *Tridacna gigas* Linné. (Lamellibranchiata: Tridacnidae).

Additional synonymy: *Pontonia armata* H. Milne Edwards, 1837.

***Paranchistus nobilii* Holthuis, 1952**

- 1952 *Paranchistus nobilii* Holthuis, Siboga Exped., 39 (a10) (11): 100-104, figs. 41-42.

Distribution: Persian Gulf.

Host: Mollusca: Bivalvia. - in *Spondylus gaederopus* L.

Additional synonymy: *Anchistus miersi* Nobili, 1906, Pérez, 1920.

***Paranchistus ornatus* Holthuis, 1952**

- 1952 *Paranchistus ornatus* Holthuis, Siboga Exped., 39 (a10) (11): 97-100, figs. 39-40.
- 1974 *Paranchistus ornatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 471.
- 1978 *Paranchistus ornatus*, - Bruce, Bull. mar. Sci., 28 (1): 119.
- 1978 *Paranchistus ornatus*, - Bruce, Zool. J. Linn. Soc., 62: 279.

1980 *Paranchistus ornatus*, - Bruce, *Crustaceana*, 38 (2): 179-180, fig. 1a, pl. 1, figs. a-c [morphology of ambulatory dactyls].

Distribution: Mozambique; Comores (Mayotte); Madagascar (Nosy Bé; Tuléar); Kenya (Bamburi, Ras Iwatine, Mombasa Old Harbour; Flora Point, Kilindini, Jadini); Zanzibar (Chukwani, Mazizini, Migombani, Bububu, Pange reef, Murogo reef; Bat Island).

Depth range: shallow water.

Habitat: coral reefs.

Host: Mollusca: Bivalvia. - the fan shell *Atrina vexillum* (Börn).

***Paranchistus pycnodontae* Bruce, 1978**

1978 *Paranchistus pycnodontae* Bruce, *Mem. Qd. Mus.*, 18 (2): 233-243, figs. 1-5, pl. 39.

1980 *Paranchistus pycnodontae*, - Bruce, *Crustaceana*, 38 (2): 180-181, fig. 1b, pl. 1, figs. d-f [morphology of ambulatory dactyls].

1981 *Paranchistus pycnodontae*, - Bruce, *Atoll. Res. Bull.*, 245: 9.

1983 *Paranchistus pycnodontae*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 204.

1990 *Paranchistus pycnodontae*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Queensland: Heron Island).

Depth range: 3m.

Habitat: coral reef lagoons.

Host: Mollusca: Bivalvia. - *Hyotissa* sp.; *Pycnodonta hyotis*.

***Paranchistus serenei* Bruce, 1983**

1983 *Paranchistus serenei* Bruce, *Bull. Mus. natn. Hist. natn., Paris, 4e sér.*, 5, sec. A, 3: 890-891, figs. 7H-I, 9.

1990 *Paranchistus serenei*, - Bruce, *The Beagle*, 7 (2): 18, tab. 2.

Distribution: Indonesia (Moluccas).

Host: Mollusca: Bivalvia. - *Ostrea cristagalli* L. (Ostreidae, Lamellibranchia).

***Paranchistus spondylus* Suzuki, 1971**

1971 *Paranchistus spondylus* Suzuki, *Res. Crust.*, 4-5: 106, figs. [not seen]

Distribution: Japan (Sagami Bay, Shiraiso).

Host: Mollusca: Bivalvia.

***Parapontonia* Bruce, 1968**

1968 *Parapontonia* Bruce, *Bull. Mus. natn. Hist. natn., 2e Ser.*, 39 (6): 1148-1149 [diagnosis].

1976 *Parapontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Echinodermata: Crinoidea. - Associated with crinoids.

***Parapontonia nudirostris* Bruce, 1968**

1968 *Parapontonia nudirostris* Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1149-1157, figs. 1-5.

1971 *Parapontonia nudirostris*, - Bruce, Zool. Verh., 114: 18-19.

1981 *Parapontonia nudirostris*, - Bruce, Atoll. Res. Bull., 245: 9.

1982 *Parapontonia nudirostris*, - Bruce, Mem. Austr. Mus., 16: 205 [crinoid host records].

1983 *Parapontonia nudirostris*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.

1990 *Parapontonia nudirostris*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

1992 *Parapontonia nudirostris*, - Bruce, Rec. Austr. Mus., 44: 78-82, figs. 25-27.

Distribution: Australia (Queensland: Davies Reef; North Stradbroke Island; Heron Island; One Tree Island; Lizard Island; Sudbury Reef); New Caledonia (Tiaré Bay, Nouméa).

Depth range: 7-10m.

Habitat: coral reefs. - reef front and lagoon.

Host: Echinodermata: Crinoidea. - *Tropiometra afra* (Hartlaub); *Himerometra robustipinna* (P.H. Carpenter).

***Paratypton* Balss, 1914**

1914 *Paratypton* Balss, Zool. Anz., 45: 83 [diagnosis].

1922 *Paratypton*, - Kemp, Rec. Indian Mus., 24: 286 [remarks].

1976 *Paratypton*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].

1980 *Paratypton*, - Bruce, Crustaceana, 38 (3): 244 [comparison with *Veleronia*].

Remarks: Scleractinia. - Cyst-forming in *Acropora* spp.

***Paratypton siebenrocki* Balss, 1914**

1974 *Paratypton siebenrocki*, - Bruce, Crustaceana, 27 (2): 197-198, fig. 6.

1974 *Paratypton siebenrocki*, - Bruce, J. mar. biol. Ass. India, 16 (2): 471.

1976 *Paratypton siebenrocki*, - Bruce, Zool. J. Linn. Soc., 59: 120-124, figs. 19-20, 148.

1977 *Paratypton siebenrocki*, - Bruce, Atoll Res. Bull., 205: 7-8 (cover fig.).

1980 *Paratypton siebenrocki*, - Bruce, Pac. Sci., 34 (4): 392, figs. 1D-E, 2.

1980 *Paratypton siebenrocki*, - Bruce, Crustaceana, 38 (3): 237-245, figs. 1-4, distribution map (fig. 5).

1981 *Paratypton siebenrocki*, - Bruce, Atoll. Res. Bull., 245: 9-10.

1983 *Paratypton siebenrocki*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 897-898.

1983 *Paratypton siebenrocki*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.

1989 *Paratypton siebenrocki*, - Fransen, Netherlands J. Sea Res., 23 (2): 145,

fig. 9.

1990 *Paratypton siebenrocki*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Senafir, Koseir, Sharm el Sheik); South Arabia; Kenya (Andromache reef, Mombasa); Zanzibar (Chukwani reef); Tanganyika (Maziwi Island); Seychelles (Amirante Islands: Remire Island; Farquhar Atoll); La Réunion; Indonesia (Gorong Island); Australia (Heron Island, Great Barrier Reef); Marshall, Samoan and Fijian Islands (Ndravuni, Great Astrolabe Reef).

Depth range: 1-14m.

Habitat: coral reefs.

Host: Scleractinia. - galls in *Acropora* colonies; *Acropora* sp., *Acropora variabilis* (Klunzinger), *Acropora squamosa* (Brooks), *Acropora squamosa* (Ehrenberg), *Acropora hyacinthus* (Dana), *Acropora palmerae* Wells, *Acropora massawensis* von Marenzeller, *Acropora tubicinaria* (Dana).

Remarks: The species is unique for its habit of living in pairs in small cysts enclosed by the host's corallum; only a few minute apertures connect the cyst with the exterior.

***Periclimenaeus* Borradaile, 1915**

- 1917 *Periclimenaeus*, - Borradaile, *Trans. Linn. Soc. Zool.*, 17 (2): 377-378 [diagnosis, key to species].
- 1951 *Periclimenaeus*, - Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 76-79 [diagnosis, remarks, key to American species].
- 1952 *Periclimenaeus*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 114-117 [diagnosis, remarks, key to Indo-West Pacific species].
- 1975 *Periclimenaeus*, - Bruce, *Bull. Mus. natn. Hist. nat.*, 3e sér., no. 258, *Zool.* 180: 1582-1583 [key to *P. tridentatus* and related species].
- 1976 *Periclimenaeus*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].
- 1980 *Periclimenaeus*, - Bruce, *Crustaceana*, 39 (1): 50-51 [key to ascidian-associated species].
- 1988 *Periclimenaeus* Bruce, *Zool. J. Linn. Soc.*, 94: 220-221 [diagnosis, remarks].

Remarks: Porifera; Tunicata. - Mainly associated with sponges, a few with tunicates.

***Periclimenaeus arabicus* (Calman, 1939)**

- 1939 *Periclimenes (Periclimenaeus) arabicus* Calman, *Sci. Rep. John Murray Exped.*, 6: 210, fig. 4.
- 1952 *Periclimenaeus arabicus*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 130.
- 1974 *Periclimenaeus arabicus*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 472.
- 1975 *Periclimenaeus arabicus*, - Bruce, *Bull. Mus. natn. Hist. nat.*, 3e sér., no. 258, *Zool.* 180: 1563-1568, 1581, figs. 3G-F, 4-6, 7C-H.
- 1980 *Periclimenaeus arabicus*, - Bruce, *Cah. Indo-Pac.*, 2 (1): 25-27, fig. 11.
- 1981 *Periclimenaeus arabicus*, - Bruce, *Micronesica*, 17 (1): 81-83, fig. 3.
- 1981 *Periclimenaeus arabicus*, - Bruce, *Atoll. Res. Bull.*, 245: 10.
- 1982 *Periclimenaeus arabicus*, - Bruce, *Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China*, Hong Kong, 1980:

265-266, fig. 20.

- 1983 *Periclimenaeus arabicus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 204.
 1990 *Periclimenaeus arabicus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Periclimenaeus arabicus*, - Bruce, in: Le Benthos des Fonds Meubles des Lagon de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 253-254, fig. 17.

Distribution: Indo-Pacific - South Arabia; Gulf of Aden (Djibouti); Zanzibar (Prison Island, Fungu Chawamba, Bawi Is.); Tanganyika (Kunduchi); Kenya (North Kenya Banks, Wasin Island, Wasin Channel, Mombasa Old Port); Hong Kong (Tolo Channel); Australia (Queensland: Heron Island); Japan; New Caledonia (Nouméa, îlot Maitre); Japan; Fiji (Viti Levu, Mana Island).

Depth range: 0.5-82m.

Habitat: coral reefs.

Host: Porifera. - Is a common inhabitant common of a variety of shallow water sponges; *Acarus ternatus* (Ridley); *Callyspongia* sp., *Callyspongia fibrosa* (Ridley & Dendy); *Toxochalina* sp.

Additional synonymy: *Periclimenes* (*Periclimenaeus*) *arabicus* Calman, 1939; *Periclimenaeus ohsimai*.

***Periclimenaeus ardeae* Bruce, 1970**

- 1970 *Periclimenaeus ardeae* Bruce, Zool. Meded., 44 (21): 310-312.
 1974 *Periclimenaeus ardeae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 471.
 1981 *Periclimenaeus ardeae*, - Bruce, Atoll. Res. Bull., 245: 10.
 1983 *Periclimenaeus ardeae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.
 1990 *Periclimenaeus ardeae*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Kenya (Ras Iwatine); Australia (Great Barrier Reef. - Heron Island).

Depth range: littoral-140m.

Habitat: coral reefs.

Host: Porifera. - *Asteropus simplex* (Carter).

***Periclimenaeus arthrodactylus* Holthuis, 1952**

- 1952 *Periclimenaeus arthrodactylus* Holthuis, Siboga Exped., 39 (a10) (11): 122-125, figs. 51-53.
 1990 *Periclimenaeus arthrodactylus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Indonesia (Bali Sea).

Depth range: 18m.

Habitat: coral, coralsand.

***Periclimenaeus bidentatus* Bruce, 1970**

- 1970 *Periclimenaeus bidentatus* Bruce, Zool. Meded., 44 (21): 305-307.
 1974 *Periclimenaeus bidentatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 472.
 1981 *Periclimenaeus bidentatus*, - Bruce, Atoll. Res. Bull., 245: 10.
 1983 *Periclimenaeus bidentatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.

- 1990 *Periclimenaeus bidentatus*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Periclimenaeus bidentatus*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 254, fig. 18.

Distribution: Indo-Pacific - Kenya (Shelly Beach, Mombasa); Zanzibar (off Bawi Is.; Mkokotoni Harbour; from the wreck of S.S. "Glasgow" in Zanzibar Harbour); Australia (Queensland: Heron Island; Moreton Bay); New Caledonia.

Depth range: littoral-33m.

Habitat: coral reefs.

Host: Porifera. - sponges of the genera *Dysidea*, *Arenochalina*, *Jaspis*, *Sponginella* and *Liosina*; *Dysidea fragilis* (Montagu); *Liosina paradoxa* Thiele.

***Periclimenaeus bouvieri* (Nobili, 1904)**

- 1906 *Typton bouvieri*, - Nobili, *Ann. Sci. nat. Zool.*, ser. 9, 4: 67, pl. 3, fig. 4.
 1952 *Periclimenaeus bouvieri*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 131-134, fig. 56.

Distribution: Suez; Red Sea; Djibouti.

***Periclimenaeus diplosomatis* Bruce, 1980**

- 1980 *Periclimenaeus diplosomatis* Bruce, *Crustaceana*, 39 (1): 39-50, figs. 1-6.
 1981 *Periclimenaeus diplosomatis*, - Bruce, *Atoll. Res. Bull.*, 245: 10.
 1983 *Periclimenaeus diplosomatis*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 205.
 1990 *Periclimenaeus diplosomatis*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Queensland: Heron Island, Capricorn Islands).

Depth range: low water.

Habitat: coral reefs (reef flat).

Host: Tunicata. - *Diplosoma rayneri* MacDonald (Didemnidae).

***Periclimenaeus djiboutensis* Bruce, 1970**

- 1970 *Periclimenaeus djiboutensis* Bruce, *Zool. Meded.*, 44 (21): 307-308.
 1974 *Periclimenaeus djiboutensis*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 472.
 1975 *Periclimenaeus djiboutensis*, - Bruce, *Bull. Mus. natn. Hist. nat.*, 3e sér., no. 258, *Zool.* 180: 1568-1572, figs. 8, 9, 13A-D.
 1978 *Periclimenaeus djiboutensis*, - Bruce, *Zool. J. Linn. Soc.*, 62: 256-259, figs. 28-29.
 1981 *Periclimenaeus djiboutensis*, - Bruce, *Atoll. Res. Bull.*, 245: 11.
 1983 *Periclimenaeus djiboutensis*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 205.
 1990 *Periclimenaeus djiboutensis*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Eilat); Djibouti; Zanzibar (Mangapwani); Madagascar (off Fort Dauphin); Australia (Heron Island).

Depth range: littoral.

Habitat: coral reef flats.

Host: Porifera. - *Spongia officinalis* var. *ceylonensis* Dendy.

***Periclimenaeus fimbriatus* Borradaile, 1915**

1917 *Periclimenaeus fimbriatus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 379, pl. 55, fig. 19.

1922 *Periclemenes (Periclimenaeus) fimbriatus*, - Kemp, Rec. Indian Mus., 24: 167

1952 *Periclimenaeus fimbriatus*, - Holthuis, Siboga Exped., 39 (a10) (11): 131.

1974 *Periclimenaeus fimbriatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 472.

1976 *Periclimenaeus fimbriatus*, - Bruce, Zool. J. Linn. Soc., 59: 146.

1988 *Periclimenaeus fimbriatus*, - Bruce, Zool. J. Linn. Soc., 94: 221-231, figs. 1-6.

Distribution: Tanganjika (off Pangani Bay); Maldives (Mulaku Atoll); Seychelles (Providence Island).

Depth range: 36-90m.

Habitat: mainly coral reefs.

Host: Porifera. - Probably an associate of sponges.

***Periclimenaeus gorgonidarum* (Balss, 1913)**

1940 *Periclimenes (Periclimenaeus) gorgonidarum*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 38-41, figs. 6-7.

1952 *Periclimenaeus gorgonidarum*, - Holthuis, Siboga Exped., 39 (a10) (11): 129-130.

1967 *Periclimenaeus gorgonidarum*, - Miyake & Fujino, J. Fac. Agric., 14 (2): 286-290, figs. 6, 7a-e.

1981 *Periclimenaeus gorgonidarum*, - Bruce, Atoll. Res. Bull., 245: 11.

1983 *Periclimenaeus gorgonidarum*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.

1990 *Periclimenaeus gorgonidarum*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: W-Pacific - Australia (Queensland: Heron Island; Wistari Reef); Japan (Kyushu, Misaki, Sagami Bay).

Depth range: 18-30m.

Habitat: coral reefs.

Host: Gorgonaria; Porifera. - associated with Gorgonaria and associated with sponges; *Callyspongia confoederata* (Ridley); *Siphonochalina* sponge.

Remarks: *Periclimenaeus uropodialis* Barnard is probably synonymous.

Additional synonymy: *Periclimenes gorgonidarum* Balss, 1913.

***Periclimenaeus hancocki* Holthuis, 1951**

- 1951 *Periclimenaeus hancocki* Holthuis, Allan Hancock Found. Occ. Pap., 11: 97-99, pl. 29, figs. a-k.
 1986 *Periclimenaeus hancocki*, - Rios, Proc. biol. Soc. Wash., 99 (3): 431, fig. 2.

Distribution: Baja California (Bahia Concepción); Panama-Pacific (Piñas Bay; Malpelo Island).
 Depth range: 2.3-59m.
 Habitat: soft mud; sponges; coral habitats.
 Host: Porifera. - unidentified sponge.

***Periclimenaeus hebedactylus* Bruce, 1970**

- 1970 *Periclimenaeus hebedactylus* Bruce, Zool. Meded., 44 (21): 308-310.
 1974 *Periclimenaeus hebedactylus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 472.

Distribution: East Africa (Zanzibar: Makunduchi).
 Depth range: 92m.
 Host: Porifera. - sponges.

***Periclimenaeus hecate* (Nobili, 1904)**

- 1974 *Periclimenaeus hecate*, - Bruce, J. mar. biol. Ass. India, 16 (2): 472.
 1975 *Periclimenaeus hecate*, - Bruce, Bull. Mus. natn. Hist. nat., 3e sér., no. 258, Zool. 180: 1574-1577, figs. 11-12, 13E.
 1976 *Periclimenaeus hecate*, - Bruce, Zool. Verh., Leiden, 145: 22-30, figs. 8-11.
 1978 *Periclimenaeus hecate*, - Bruce, Bull. mar. Sci., 28 (1): 120-121.
 1981 *Periclimenaeus hecate*, - Bruce, Atoll. Res. Bull., 245: 11.
 1983 *Periclimenaeus hecate*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.
 1990 *Periclimenaeus hecate*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea; Gulf of Aden (Djibouti); Kenya (Casuarina Point near Watamu); Comores; Indonesia; Australia (Cape HJaubert, W-Australia; Queensland: Heron Island; Wistari Reef).

Depth range: low water-10m.

Habitat: coral reefs.

Host: Tunicata. - *Diplosoma ?modestum* Michaelsen; *Didemnum* (Ascidacea).

Additional synonymy: *Coralliocaris hecate*; ?*Periclimenaeus tridentatus* Holthuis, 1952.

***Periclimenaeus holthuisi* Bruce, 1969**

- 1952 *Periclimenaeus rhodope*, - Holthuis, Siboga Exped., 39 (a10) (11): 125-129, figs. 54-55.
 1969 *Periclimenaeus holthuisi* Bruce, Zool. Meded., 44 (12): 159-160.
 1990 *Periclimenaeus holthuisi*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Malay Archipelago (Indonesia: Banda, Moluccas).

Depth range: 17m.

***Periclimenaeus jeancharcoti* Bruce, 1991**

1991 *Periclimenaeus jeancharcoti* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 371-378, figs. 50-55.

Distribution: New Caledonia.

Depth range: 375-450m.

***Periclimenaeus leptodactylus* Fujino & Miyake 1968**

1968 *Periclimenaeus leptodactylus* Fujino & Miyake, Ohmu, 1 (3): 90-95, figs. 3-5.

1974 *Periclimenaeus leptodactylus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 472-473.

Distribution: Zanzibar (Mazizini, Shangani, Grave Is., off Chumbe Is.); Kenya (Basin Channel); Japan.

Depth range:

Habitat: coral reefs.

Host: Porifera. - *Desmacidon* sp.

***Periclimenaeus lobiferus* Bruce, 1978**

1978 *Periclimenaeus lobiferus* Bruce, Zool. J. Linn. Soc., 62: 260-169, figs. 30-35.

Distribution: Mozambique Channel.

Depth range: 80-85.

***Periclimenaeus manihinei* Bruce, 1976**

1976 *Periclimenaeus manihinei* Bruce, Zool. J. Linn. Soc., 59: 138-143, figs. 29-30, 147.

Distribution: Seychelles (Praslin: Baie St. Anne).

***Periclimenaeus minutus* Holthuis, 1952**

1952 *Periclimenaeus minutus* Holthuis, Siboga Exped., 39 (a10) (11): 134-137, figs. 57-59.

1974 *Periclimenaeus minutus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.

1978 *Periclimenaeus minutus*, - Bruce, Bull. mar. Sci., 28 (1): 121.

1990 *Periclimenaeus minutus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Zanzibar (Mbweni, Fawatu reef); Tanganyika (Pangani Bay); Indonesia.

Depth range: 9-36.5m.

Habitat: bottom of black sand and corals on lithothamnion bank.

Host: Porifera. - sponges.

Periclimenaeus natalensis (Stebbing, 1915)

- 1915 *Palaemonetes natalensis* Stebbing, Ann. S. Afr. Mus., 15: 78, pl. 19.
 1952 *Periclimenaeus natalensis*, - Holthuis, Siboga Exped., 39 (a10) (11): 130-131.

Distribution: South Africa (Cape Natal).

Depth range: 800m.

Additional synonymy: *Palaemonetes natalensis*, in Stebbing, 1915; *Periclimenes natalensis*, in Kemp, 1925.

Periclimaneus nobilii Bruce, 1975

- 1975 *Periclimaneus nobilii* Bruce, Bull. Mus. natn. Hist. nat., 3e sér., no. 258, Zool. 180: 1577-1581, figs. 13F, 14.
 1983 *Periclimaneus nobilii*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 890.
 1990 *Periclimaneus nobilii*, - Bruce, The Beagle, 7 (2): 18, tab. 2.
 1991 *Periclimaneus nobilii*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 254-256, fig. 19.

Distribution: Red Sea; Persian Gulf; La Réunion; Indonesia; New Caledonia (baie Uie; Canal Woodin); Gilbert Islands (Tarawa Island).

Host: Mollusca: Bivalvia. - *Tridacna* sp. (Tridacnidae, Lamellibranchia); *Spondylus gaederopus* L.; *Pinna* sp. Tunicata - *Lissoclinum vareau* Monniot & Monniot, *Diplosoma* sp. (Asciadiacea).

Periclimenaeus novae-zealandiae Borradaile, 1916

- 1916 *Periclimenes (Hamiger) novae-zealandiae* Borradaile, Nat. Hist. Rep. Brit. Antarct. Exped., Zool. 3 (2): 87, fig. 4.
 1952 *Periclimenaeus novae-zealandia*, - Holthuis, Siboga Exped., 39 (a10) (11): 130.
 1922 *Periclimenes (Periclimenaeus) novae-zealandia*, - Kemp, Rec. Indian Mus., 24: 167.

Distribution: New Zealand (East of North Cape).

Depth range: 128m.

Periclimenaeus odontodactylus Fujino & Miyake, 1969

- 1981 *Periclimenaeus odontodactylus*, - Bruce, Atoll. Res. Bull., 245: 11.

Distribution: Japan (Amakusa Island); Australia (Heron Island).

Depth range: 11m.

Habitat: coral reefs.
Host: Porifera. - *Ircinia fasciculata*.

***Periclimenaeus orbitospinatus* Bruce, 1969**

- 1969 *Periclimenaeus orbitospinatus* Bruce, Zool. Meded., 44 (12): 160-161.
1983 *Periclimenaeus orbitospinatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.
1990 *Periclimenaeus orbitospinatus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: NW-Australia (Gulf of Carpentaria near Mornington Island).
Depth range: 15-28m.
Host: Porifera. - undetermined sponge.

***Periclimenaeus orontes* Bruce, 1987**

- 1986 *Periclimenaeus orontes* Bruce, The Beagle, 3 (1): 151-158, figs. 1B, 6-10.
1990 *Periclimenaeus orontes*, - Bruce, The Beagle, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Orontes Reef off Port Essington, Coburg Peninsula).
Depth range: 3m.
Host: Porifera. - *Jaspis stellifera* (Carter).

***Periclimenaeus pachydentatus* Bruce, 1969**

- 1969 *Periclimenaeus pachydentatus* Bruce, Zool. Meded., 44 (12): 162-163.
1981 *Periclimenaeus pachydentatus*, - Bruce, Atoll. Res. Bull., 245: 12.
1983 *Periclimenaeus pachydentatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.
1990 *Periclimenaeus pachydentatus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Great Barrier Reef: Low Isles; Gulf of Carpentaria; Heron Island).
Depth range: 12-35m.
Habitat: coral reefs.
Host: Tunicata, Ascidiacea. - *Sigillina deerata*.

***Periclimenaeus pacificus* Holthuis, 1951**

- 1951 *Periclimenaeus pacificus* Holthuis, Allan Hancock Found. Occ. Pap., 11: 85-87, pl. 25, figs. a-k.

Distribution: E-Pacific. - Panama; Colombia (Gorgona Island); Galapagos Archipelago.
Depth range: littoral.
Habitat: from coral of the genus *Pocillopora*; also on soft mud and in rocky areas.

Periclimenaeus quadridentatus (Rathbun, 1906)

- 1906 *Coralliocaris quadridentata* Rathbun, Bull. U.S. Comm. Fish., 23: 920, pl. 24, fig. 1.
 1953 *Periclimenaeus quadridentatus*, - Holthuis, Atoll. Res. Bull., 24: 56.
 1974 *Periclimenaeus quadridentatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.

Distribution: Kenya (Shelly Beach, Mombasa); Marianas Islands (Lagoon west of Saipan); Hawaii.

Depth range: 33m.

Habitat: coral reef locations

Host: Porifera. - unidentified yellow sponge.

Periclimenaeus rastrifer Bruce, 1980

- 1980 *Periclimenaeus rastrifer* Bruce, Cah. Indo-Pac., 2 (1): 27-33, figs. 12, 13a-b.
 1980 *Periclimenaeus spongicola*, - Bruce, Cah. Indo-Pac., 1 (2): 235.
 1982 *Periclimenaeus rastrifer*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 267-268, fig. 21.
 1983 *Periclimenaeus rastrifer*, - Bruce, Austr. Mus. Sydney, Mem., 18: 205.
 1990 *Periclimenaeus rastrifer*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1991 *Periclimenaeus rastrifer*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 257-258, fig. 20.

Distribution: Indo-Pacific - Australia (Great Barrier Reef: Heron Island); Hong Kong (Hoi Ha Wan, Kat O Chau), New Caledonia (Nouméa, Ilot Maitre).

Depth range: 3-33m.

Host: Porifera. - *Dysidea* sp; *Ulosa*; *Mycale philippensis* (Dendy).

Periclimenaeus rhodope (Nobili, 1904)

- 1904 *Coralliorais (Onycocaris) rhodope* Nobili, Bull. Mus. Hist. nat. Paris, 10: 233.
 1906 *Coralliocaris (Onycocaris) rhodope*, - Ann. Sci. nat. Zool., ser. 9, 4: 61, pl. 2, fig. 8.
 1922 *Onycocaris rhodope*, - Borradaile, Rec. Indian Mus., 24: 278.
 1974 *Periclimenaeus rhodope*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.
 1975 *Periclimenaeus rhodope*, - Bruce, Bull. Mus. natn. Hist. nat., 3e sér., no. 258, Zool. 180: 1558-1562, figs. 1-2, 3A-B, 7A-B.
 1978 *Periclimenaeus rhodope*, - Bruce, Bull. mar. Sci., 28 (1): 121.
 1981 *Periclimenaeus rhodope*, - Bruce, Atoll. Res. Bull., 245: 12.
 1983 *Periclimenaeus rhodope*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenaeus rhodope*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea; Djibouti;

Persian Gulf; Zanzibar (Makunduchi, Chumbe Is., Chwaka); Tanganyika (Kunduchi); Kenya (Shimoni, Ras Iwatine, Bamburi, Mombasa Island, Jadini); Australia (Queensland: Heron Island).

Depth range: 18-54m.

Habitat: in sea grass on reef flats and encrusting sponges on corals.

Host: Porifera. - often in colonies of *Haliclona* sponges; sometimes also in association with *Thaumastocaris streptopus*.

***Periclimenaeus robustus* Borradaile, 1915**

1917 *Periclimenaeus robustus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 378, pl. 55, fig. 20.

1922 *Periclimenes (Periclimenaeus) robustus*, - Kemp, Rec. Indian Mus., 24: 167.

1952 *Periclimenaeus robustus*, - Holthuis, Siboga Exped., 39 (a10) (11): 131.

1974 *Periclimenaeus robustus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.

1976 *Periclimenaeus robustus*, - Bruce, Zool. J. Linn. Soc., 59: 147.

Distribution: Kenya (Ras Iwatine); Seychelles (Amirante Islands).

Depth range: 37-141m.

Host: Porifera. - is probably associated with sponges; found on *Asteropus simplex* (Carter).

***Periclimenaeus spinicauda* Bruce, 1969**

1969 *Periclimenaeus spinicauda* Bruce, Zool. Meded., 44 (12): 164-165.

1979 *Periclimenaeus spinicauda*, - Bruce, Cah. Indo-Pac., 1 (2): 234-235.

Distribution: South China Sea.

Depth range: 64-66m.

Host: Porifera. - unidentified sponge.

***Periclimenaeus spinimanus* Bruce, 1969**

1969 *Periclimenaeus spinimanus* Bruce, Zool. Meded., 44 (12): 165-167.

1978 *Periclimenaeus spinimanus*, - Bruce, Bull. mar. Sci., 28 (1): 121-127, figs. 1-3.

Distribution: Somalia (off Ras Asir).

Depth range: 37-73m.

Host: ?Porifera.

***Periclimenaeus spinosus* Holthuis, 1951**

1951 *Periclimenaeus spinosus* Holthuis, Allan Hancock Found. Occ. Pap., 11: 113-115, pl. 35, figs. a-1.

1986 *Periclimenaeus spinosus*, - Rios, Proc. biol. Soc. Wash., 99 (3): 431-434, fig. 3.

Distribution: E-Pacific. - Baja California (Bahia

Concepción); Costa Rica.

Depth range: shallow water.

Habitat: coral reefs.

Host: Porifera. - unidentified sponge.

***Periclimaneus spongicola* Holthuis, 1952**

1952 *Periclimaneus spongicola* Holthuis, Siboga Exped., 39 (a10) (11): 137-140, figs. 60-62.

1990 *Periclimaneus spongicola*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Indonesia (Java Sea); Hong Kong (Kat O Chau).

Depth range: 2m.

Habitat: collected from small sponges encrusting baskets of oysters.

Host: Porifera.

***Periclimenaeus storchi* Bruce, 1989**

1989 *Periclimenaeus storchi* Bruce, Asian Mar. Biol., 6: 181-183, fig. 5.

Distribution: Philippines (Cuaming Island, north of Bohol Island, Visayan Sea).

Host: Tunicata.

***Periclimenaeus stylirostris* Bruce, 1969**

1969 *Periclimenaeus stylirostris* Bruce, Zool. Meded., 44 (12): 167-168.

1972 *Periclimenaeus stylirostris*, - Bruce, Pac. Sci., 26: 68-75, figs. 2-6.

1979 *Periclimenaeus stylirostris*, - Bruce, Cah. Indo-Pac., 1 (2): 235.

Distribution: South China Sea; Fiji (Viti Levu: Sigatoka).

Depth range: 0.5-92m.

Host: Porifera. - unidentified sponge.

***Periclimenaeus tchesunovi* Duris, 1990**

1990 *Periclimenaeus tchesunovi* Duris, J. nat. Hist., 24: 615-620, figs. 1-2.

Distribution: Maldives (Genego Islet, North Nilandu Atoll).

Depth range: 20m.

Habitat: coral reefs. - outer reef slope.

Host: ?Porifera. - sponge encrusted *Seriatopora* coral.

***Periclimenaeus tridentatus* (Miers, 1884)**

1952 *Periclimenaeus tridentatus*, - Holthuis, Siboga Exped., 39 (a10) (11): 140-146, figs. 63-65.

- 1953 *Periclimenaeus tridentatus*, - Holthuis, Atoll. Res. Bull., 24: 56.
 1958 *Periclimenaeus tridentatus*, - Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 18.
 1961 *Periclimenaeus tridentatus*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
 1976 *Periclimenaeus tridentatus*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 32.
 1979 *Periclimenaeus tridentatus*, - Bruce, Cah. Indo-Pac., 1 (2): 235-236.
 1981 *Periclimenaeus tridentatus*, - Bruce, Atoll. Res. Bull., 245: 12.
 1983 *Periclimenaeus tridentatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenaeus tridentatus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea; Djibouti; South Arabia; Mocambique; Singapore (Pulau Pawai; Pulau Salu; Raffles Light); Indonesia; Philippines (Sulu Archipelago: Thursday Island, Ubian Island); Australia (Murray Island, Torres Strait; Queensland: Heron Island; Wistari Reef); Marianas Islands (Saipan, Rinai Finauchutugan); Hawaii.

Depth range: 7-77m.

Habitat: coral reef locations and *Lithothamnion* bottom; sandy bottoms with pieces of dead coral.

Host: Tunicata. - ascidians, but has proved to be common in sponges; in the larger cavities in the testa of *Lissoclinum molle* (Herdm.) (= *Diplosomoides molle* Herdm.); *Diplosoma* sp.

Additional synonymy: *Coralliocaris tridentata* Miers, 1884; *Coralliocaris tridentatus*; *Coralliocaris hecate* Nobili, 1904; *Coralliocaris rathbunae* Borradaile, 1917; *Coralliocaris quadridentata* Edmondson, 1925, 1946; *Periclimenes (Ancylocaris) crassipes* Calman, 1939.

***Periclimenaeus trispinosus* Bruce, 1969**

- 1969 *Periclimenaeus trispinosus* Bruce, Zool. Meded., 44 (12): 169-170.
 1974 *Periclimenaeus trispinosus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.

Distribution: Zanzibar (Mkokotoni Harbour).

Depth range: 25.5-27.5m.

Host: Porifera. - undetermined sponges.

***Periclimenaeus truncatus* (Rathbun, 1906)**

- 1952 *Periclimenaeus truncatus*, - Holthuis, Siboga Exped., 39 (a10) (11): 117-121, figs. 48-50.
 1974 *Periclimenaeus truncatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 473.
 1981 *Periclimenaeus truncatus*, - Bruce, Mem. ORSTOM, 91: 211-213, fig. 16, 17d, 18c, f.
 1990 *Periclimenaeus truncatus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Zanzibar (Nyange reef); Indonesia; Philippines (Lubang); Hawaii (Molokai).

Depth range: 2-90m.

Habitat: coral reefs; sand, coral, shells.

Host: Porifera. - *Biemna fortis* (Topsent).

Additional synonymy: *Coralliocaris truncata* Rathbun, 1906.

***Periclimenaeus tuamotae* Bruce, 1969**

- 1969 *Periclimenaeus tuamotae* Bruce, Zool. Meded., 44 (12): 170-172.
 1974 *Periclimenaeus tuamotae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 474.
 1981 *Periclimenaeus tuamotae*, - Bruce, Atoll. Res. Bull., 245: 12.
 1983 *Periclimenaeus tuamotae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenaeus tuomotae*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific. - Tanganyika (Kunduchi); Kenya (Wasin Island; Port Jesus, Mombasa); Australia (Queensland: Heron Island); French Polynesia (Tuamotu Archipelago: Mururoa).
 Depth range: 12-15m.
 Habitat: coral reefs; sea grass flats.
 Host: Porifera. - *Acarnus ternatus* Ridley.

***Periclimenaeus uropodialis* Barnard, 1958**

- 1958 *Periclimenaeus uropodialis* Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 18-20, fig. 6.
 1974 *Periclimenaeus uropodialis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 474.

Distribution: Kenya (Wasin Island, Wasin Channel, Mombasa Old Port); Zanzibar (Mkokotoni); Tanganyika (Ras Mkumbi, Mafia); Mocambique
 Depth range: shallow water.
 Host: Porifera. - *Callyspongia* sp.

***Periclimenaeus usitatus* Bruce, 1969**

- 1969 *Periclimenaeus usitatus* Bruce, Zool. Meded., 44 (12): 172-173.
 1974 *Periclimenaeus usitatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 474.

Distribution: Tanganyika (Mafia Is.).
 Depth range: 20m.
 Host: Porifera. - unidentified sponge.

***Periclimenaeus zanzibaricus* Bruce, 1969**

- 1969 *Periclimenaeus zanzibaricus* Bruce, Zool. Meded., 44 (12): 174-175.
 1974 *Periclimenaeus zanzibaricus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 474.

Distribution: Kenya (Ras Iwatine; Mombasa Island); Zanzibar (east coast; Marumbi).
 Depth range: littoral.
 Host: Porifera. - undetermined sponges and *Haliclona* sp.

***Periclimenaeus zarenkovi* Duris, 1990**

- 1990 *Periclimenaeus zarenkovi* Duris, J. nat. Hist., 24: 620-624, figs. 3-4.

Distribution: Maldives (Genego Islet, North Nilandu Atoll).

Depth range: 0.7m.

Habitat: coral reefs. - reef flat, from live coral head of *Pocillopora*.

***Periclimenes* Costa, 1844**

- 1917 *Periclimenes*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 359-362 [diagnosis, keys to subgenera and species].
- 1922 *Periclimenes*, - Kemp, Rec. Indian Mus., 24: 134-141 [remarks, synonymy, key to species of subgenus *Periclimenes*], 168-172 [key to subgenus *Ancylocaris*].
- 1940 *Periclimenes*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 32-33 [diagnosis, remarks, key to subgenera].
- 1950 *Periclimenes*, - Barnard, Ann. S. Afr. Mus., 38: 794 [diagnosis, remarks].
- 1951 *Periclimenes*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 23-26 [diagnosis, remarks, key to American species].
- 1952 *Periclimenes*, - Holthuis, Siboga Exped., 39 (a10) (11): 31-32 8remarks, list of species described since Kemp (1922), 32-34 diagnosis and remarks on subgenus *Periclimenes*, 57-58 diagnosis and remarks on subgenus *Harpilius*].
- 1969 *Periclimenes* Bruce, Zool. Meded., 43 (20): 276-277 [remarks on and key to *incertus*-group].
- 1971 *Periclimenes*, - Bruce, Zool. Verh., 114: 27-31 [remarks on mouthparts].
- 1974 *Periclimenes*, - Bruce, Crustaceana, 26 (3): 303 [key to Indo-West Pacific species associated with echinoids].
- 1976 *Periclimenes*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Eudean eds.), Academic Press: 82, tab. I [remarks].
- 1979 *Periclimenes*, - Bruce, Crustaceana, Suppl. 5: 228-229 [list and remarks on *Periclimenes*-Actinarian associations].
- 1982 *Periclimenes*, - Bruce, Mem. Austr. Mus., 16: 195-196 [key to Indo-West Pacific crinoid-associated species], 200 [key to Indo-West Pacific asteroid-associated species], 202 [key to Indo-West Pacific echinoid-associated species], 203 [key to Indo-West Pacific holothurian-associated species].
- 1983 *Periclimenes*, - Bruce & Svoboda, Zool. Verh., 205: 22-23, tab. 1 [tabulation of the Indo-West Pacific anemone-associated species and their hosts].
- 1985 *Periclimenes*, - Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 258-259 [key to Indo-West Pacific species occurring at depths of 100m or over].
- 1986 *Periclimenes*, - Bruce, The Beagle, 3 (1): 151 [key to *ceratophthalmus*-group].
- 1987 *Periclimenes*, - Bruce, J. nat. Hist., 21: 1424-1425 [key to *grandis*-group], 1431 [key to *obscurus*-group].
- 1987 *Periclimenes*, - Bruce, Indo-Malayan Zool., 4: 125 [correction of key to *grandis*-group].
- 1990 *Periclimenes*, - Bruce, Indo-Malayan Zool., 6 (1989): 242 [key to *P. aesopius*-group].
- 1990 *Periclimenes*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 213-214 [key to deep water Indo-West Pacific species].
- 1991 *Periclimenes*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 403-406 [key to deep-water Indo-West Pacific species].

Remarks: Most species are known commensals.

***Periclimenes aesopius* (Bate, 1863)**

- 1922 *Periclimenes aesopius*, - Kemp, Rec. Indian Mus., 24: 142-143, fig. 12.
 1961 *Periclimenes (Periclimenes) aesopius*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.
 1976 *Periclimenes aesopius*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
 1977 *Periclimenes aesopius*, - Bruce, Austral. Zool., 19 (2): 217-226, figs. 1-6.
 1983 *Periclimenes aesopius*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenes aesopius*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Sri Lanka; Malaysia; Singapore; S-Australia (Gulf of St. Vincent).

Depth range: littoral-32m.

Habitat: in seaweed beds.

Host: Actinaria. - is a fish cleaner, often associated with *Cerianthus*.

Additional synonymy: *Urocaris longicaudata* Pearson, 1905; *Anchistia aesopia* Bate, 1863; *Urocaris aesopius* Borradaile, 1917.

***Periclimenes affinis* (Zehntner, 1894)**

- 1958 *Periclimenes (Harpilius) affinis*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 6-8, fig. 2.
 1968 *Periclimenes affinis*, - Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1165-1166.
 1979 *Periclimenes affinis*, - Bruce, Cah. Indo-Pac., 1 (2): 219.
 1980 *Periclimenes affinis*, - Bruce, Cah. Indo-Pac., 2 (1): 2-8, figs. 1-3.
 1981 *Periclimenes affinis*, - Bruce, Atoll. Res. Bull., 245: 12-13.
 1982 *Periclimenes affinis*, - Bruce, Mem. Austr. Mus., 16: 196 [echinoderm host record].
 1983 *Periclimenes affinis*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 874, fig. 7A.
 1983 *Periclimenes affinis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenes affinis*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Australia (Great Barrier Reef: Heron Island, Wistari Reef); Indonesia (Mollucas); northern South China Sea (South Vereker Bank); New Caledonia (Nouméa, Ilot Maitre).

Depth range: 21-66m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - *Comanthina schlegeli* (P.H. Carpenter), *Comanthula cratera* H.L. Clark, ? *Cenolia* sp. Actinaria. - in the Andaman Islands found associated with the sea anemone *Stoichactis* (= *Discosoma*).

***Periclimenes agag* Kemp, 1922**

- 1922 *Periclimenes (Ancylocaris) agag* Kemp, Rec. Indian Mus., 24: 197-201, figs. 47-50, pl. VII, fig. 9.
 1984 *Periclimenes (Harpilius) agag*, - Ledoyer, Zool. Verh., Leiden, 211: 25-28,

fig. 10.

1990 *Periclimenes agag*, - Bruce, *The Beagle*, 7 (2): 11, 16, tab. 1, 18, tab. 2.

1992 *Periclimenes agag*, - Bruce, *Rec. Austr. Mus.*, 44: 64-66, fig. 16.

Distribution: Red Sea (Ghardaqa); Andaman Islands (Port Blair); Australia (Queensland: Coconut Beach and southern end of Mrs. Watson's Bay, mangrove creek, Lizard Island); New Caledonia.

Depth range: 1-17m.

Habitat: rubble and sand bottoms; among sea weeds.

Remarks: probably free-living.

***Periclimenes akiensis* Kubo, 1936**

1936 *Periclimenes (Ancylocaris) akiensis* Kubo, *J. Imp. Fish. Inst. Tokyo*, 31: 47, figs. [not seen]

Distribution: Japan.

***Periclimenes alcocki* Kemp, 1922**

1922 *Periclimenes alcocki* Kemp, *Rec. Indian Mus.*, 24: 154-156, figs. 21-24.

1940 *Periclimenes (Periclimenes) alcocki*, - Kubo, *J. Imp. Fish. Inst. Tokyo*, 34 (1): 33-35, figs. 1-2.

1978 *Periclimenes alcocki*, - Bruce, *Zool. J. Linn. Soc.*, 62: 227-228, fig. 10.

1981 *Periclimenes alcocki*, - Bruce, *Mem. ORSTOM*, 91: 190-195, figs. 1-2.

1983 *Periclimenes alcocki*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 206.

1985 *Periclimenes alcocki*, - Bruce, *Mém. Mus. natn. Hist. nat., sér. A, Zool.*, 133: 231, fig. 1.

1989 *Periclimenes alcocki*, - Bruce, *Bull. Mus. natn. Hist. nat., 4e sér.*, 11, sec. A, 4: 860-861, fig. 6B [comparison with *P. poupini*].

1990 *Periclimenes alcocki*, - Bruce, *The Beagle*, 7 (2): 16, 18, tab. 2.

1991 *Periclimenes alcocki*, - Bruce, *Mém. Mus. natn. Hist. nat., (A)*, 152: 302-308, figs. 2-5.

Distribution: Indo-West Pacific - Laccadive Sea; Madagascar (off Cape Amber); Philippines (off Lubang); Australia (off Bateman's Bay, New South Wales); Japan (Kumano-nada, Mie Prefecture); New Caledonia.

Depth range: 187-743m.

***Periclimenes aleator* Bruce, 1991**

1991 *Periclimenes aleator* Bruce, *Mém. Mus. natn. Hist. nat., (A)*, 152: 315-322, figs. 10-14.

Distribution: Loyalty Islands.

Depth range: 570-610m.

***Periclimenes alegrias* Bruce, 1987**

1987 *Periclimenes alegrias* Bruce, *The Beagle*, 3 (1): 143-151, figs. 1A, 2-5, 15A-C.

1990 *Periclimenes alegrias*, - Bruce, *The Beagle*, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Coral Bay, Port Essington, Cobourg Peninsula; North-West Vernon Island).

Depth range: 2-8m.

Host: Echinodermata: Crinoidea. - *Stephanometra spicata* (Carpenter), *Lamprometra palmata* (Müller), *Comanthina variabilis* (Bell).

***Periclimenes amamiensis* Kubo, 1940**

1940 *Periclimenes (Ancylocaris) amamiensis* Kubo, *J. Ump. Fish. Inst. Tokyo*, 34: 44. [not seen].

Distribution: Japan (Ryukyu Islands).

***Periclimenes amboinensis* (De Man, 1888)**

1888 *Anchistia amboinensis* De Man, *Arch. Naturgesch.*, 53 (1): 546, pl. 22a, fig. 2.

1922 *Periclimenes (Ancylocaris) amboinensis*, - Kemp, *Rec. Indian Mus.*, 24: 172-173.

1952 *Periclimenes (Harpilius) amboinensis*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 60-61.

1981 *Periclimenes amboinensis*, - Bruce, *Atoll. Res. Bull.*, 245: 13.

1982 *Periclimenes amboinensis*, - Bruce, *Mem. Austr. Mus.*, 16: 196 [echinoderm host record].

1983 *Periclimenes amboinensis*, - Bruce, *Bull. Mus. natn. Hist. nat., Paris*, 4e sér., 5, sec. A, 3: 874-875, figs. 1-3, 7E.

1983 *Periclimenes amboinensis*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 206.

1990 *Periclimenes amboinensis*, - Bruce, *The Beagle*, 7 (2): 16, tab. 1, 18. tab. 2.

1992 *Periclimenes amboinensis*, - Bruce, *Rec. Austr. Mus.*, 44: 66-69, figs. 17-18.

Distribution: Australia (Queensland: Marx Reef); Indonesia (Ambon, Marsegu Island, Ceram, Banda); Australia (Heron Island, Great Barrier Reef: Wistari Reef); New Caledonia (Récif Améré); Marshall Islands.

Depth range: 3-23m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - *Comaster bennetti* (J. Müller), *Comanthus parvicirrus* (J. Müller), *Comanthina briareus* (Bell), *Comantheria cf. rotula*, *Capillaster multiradiatus* (L.), *Comanthus samoanus* A.H. Clark, *Comanthus bennetti* (J. Müller), *Himerometra magnipinna* A.H. Clark.

Additional synonymy: *Anchistia amboinensis* de Man, 1888; *Periclimenes (Corniger) amboinensis* Borradaile, 1917.

***Periclimenes anymone* De Man, 1902**

- 1902 *Periclimenes amymone* De Man, Abh. Senckenberg. naturforsch. Ges., 25: 829, pl. 25, fig. 53.
- 1922 *Periclimenes (Ancylocaris) amymone*, - Kemp, Rec. Indian Mus., 24: 219.
- 1952 *Periclimenes (Harpilius) amymone*, - Holthuis, Siboga Exped., 39 (a10) (11): 82-83, fig. 32.
- 1961 *Periclimenes (Harpilius) amymone*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.
- 1966 *Periclimenes (Harpilius) amymone*, - Patton, Crustaceana, 10: 273.
- 1968 *Periclimenes amymone*, - Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1166.
- 1977 *Periclimenes amymone*, - Bruce, Atoll Res. Bull., 205: 2.
- 1977 *Periclimenes amymone*, - Bruce, Rec. Austr. Mus., 31 (2): 43.
- 1979 *Periclimenes amymone*, - Bruce, Cah. Indo-Pac., 1 (2): 218.
- 1980 *Periclimenes amymone*, - Bruce, Micronesica, 16 (2): 262-264, fig. 1e-i.
- 1981 *Periclimenes amymone*, - Bruce, Atoll. Res. Bull., 245: 13.
- 1983 *Periclimenes amymone*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 875-879, fig. 7C.
- 1983 *Periclimenes amymone*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
- 1984 *Periclimenes (Harpilius) cf. amymone*, - Ledoyer, Zool. Verh., Leiden, 211: 28-29, fig. 11.
- 1989 *Periclimenes amymone*, - Bruce, Asian Mar. Biol., 6: 175.
- 1990 *Periclimenes amymone*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
- 1991 *Periclimenes amymone*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 235.

Distribution: Indo-Pacific - Nicobar Islands; Singapore (Pulau Hantu; Tanjong Gulf; Raffles Light); Indonesia (Moluccas; Ternate; Borneo); Philippines (Cebu: Moalboal); Australia (Great Barrier Reef: One Tree Island; Bet Reef, Rostoration Rock; Heron Island: Wistari Reef; Moreton Bay); Solomon Islands (Uendara, Honiara; Pori Pori Island, New Georgia Island); New Caledonia (Nouméa; Lagon Nord-Ouest); Samoa; New Georgia; Solomon Islands.

Depth range: 2-24m.

Habitat: coral reefs and sea weeds.

Host: Scleractinia. - found in association with scleractinian corals and has been found in *Pocillopora damicornis* (L.), *Stylophora mordax* (Dana), *Stylophora pistillata* (Esper), *Seriatopora hystrix* (Dana) and several species of *Acropora* (see Bruce, 1977, Atoll Res. Bull.). Its occurrence in both acroporid and pocilloporid coral hosts is unusual, more often it is present on the outer branches.

Additional synonymy: *Periclimenes (Falciger) amymone* Borradaile, 1917.

***Periclimenes anacanthus* Bruce, 1989**

- 1989 *Periclimenes anacanthus* Bruce, The Beagle, 5 (1): 105-112, figs. 1-5.
- 1990 *Periclimenes anacanthus*, - Bruce, The Beagle, 7 (2): 11, 16, tab. 1, 18, tab. 2.

Distribution: Australia (Queensland: Moreton Bay).

Depth range: 0.5-1m.

Habitat: in *Zostera* beds.

Remarks: probably a free-living species.

***Periclimenes andamanensis* Kemp, 1922**

- 1922 *Periclimenes (Ancylocaris) andamanensis* Kemp, Rec. Indian Mus., 24: 204-209, figs. 54-57.
 1952 *Periclimenes (Harpilius) andamanensis*, - Holthuis, Siboga Exped., 39 (a10) (11): 79.
 1970 *Periclimenes (Harpilius) andamanensis*, - Ledoyer, Ann. Univ. Madagascar, 7: 123, pls. 4-5, 22B.
 1977 *Periclimenes andamanensis*, - Bruce, Crustaceana, 33 (3): 269-270.
 1978 *Periclimenes andamanensis*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1990 *Periclimenes andamanensis*, - Bruce, The Beagle, 7 (2): 11-12, 16, tab. 1, 18, tab. 2.

Distribution: Madagascar (Baie d'Ambaro; Tuléar); Andaman Islands (Port Blair); Indonesia (Sunda Straits, Verlaten Island); Australia (Queensland: Moreton Bay; South West Arm, Port Hacking, New South Wales); Indonesia.

Depth range: 3-20m.

Habitat: seagrass beds (*Posidonia*); muddy sand; muddy bottom with decaying vegetation.

***Periclimenes antonbruunii* Bruce, 1967**

- 1967 *Periclimenes antonbruunii* Bruce, Zool. Verh., 87: 45-53, figs. 19-22.
 1971 *Periclimenes antonbruunii*, - Bruce, Smiths. Contr. Zool., 82: 10.

Distribution: Comores (Ile Mayotte, Pamanzi Reef, Dzaoudzi).

Depth range: shallow subtidal.

Habitat: on rock flats.

***Periclimenes attenuatus* Bruce, 1971**

- 1971 *Periclimenes attenuatus* Bruce, Pac. Sci., 25: 533-543, figs. 1-5.
 1982 *Periclimenes attenuatus*, - Bruce, Mem. Austr. Mus., 16: 197.
 1983 *Periclimenes attenuatus*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 879.
 1983 *Periclimenes attenuatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
 1990 *Periclimenes attenuatus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1992 *Periclimenes attenuatus*, - Bruce, Rec. Austr. Mus., 44: 69, fig. 19.

Distribution: Bismark Archipelago (Burukuk, Duke of York Islands); Australia (Queensland: Rib Reef; Burukuk Island; Lizard Island; Duke of York Island, Bismark Archipelago); Indonesia (Sawai, Seleman Bay, Seram, Moluccas).

Depth range: 1-15m.

Habitat: reef front.

Host: Echinodermata: Crinoidea. - *Comaster multifidus* (J.

Müller, 1841).

***Periclimenes bayeri* Holthuis, 1981**

- 1953 *Periclimenes (Harpilius) bayeri*, - Holthuis, Atoll. Res. Bull., 24: 56
[nomen nudum].
1981 *Periclimenes bayeri* Holthuis, Proc. biol. Soc. Wash., 94 (3): 792-796,
fig.3.

Distribution: Marshall Islands, several atolls (Arno Atoll, Ine village).

Depth range: littoral.

Habitat: coral reef flats, lagoons and outer reef edges.

Host: Scleractinia. - *Pocillopora* sp.

***Periclimenes brevicarpalis* (Schenkel, 1902)**

- 1902 *Ancylocaris brevicarpalis* Schenkel, Verh. naturforsch. Ges. Basel., 13: 653,
pl. 13, fig. 21.
1922 *Periclimenes (Ancylocaris) brevicarpalis*, - Kemp, Rec. Indian Mus., 24: 185-
191, figs. 40-42, pl. VI, fig. 8.
1940 *Periclimenes brevicarpalis*, - Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 46-
48, figs. 13-14.
1950 *Periclimenes (Ancylocaris) brevicarpalis*, - Barnard, Ann. S. Afr. Mus., 38:
794-795, fig. 150e-h.
1952 *Periclimenes (Harpilius) brevicarpalis*, - Holthuis, Siboga Exped., 39 (a10)
(11): 69-73, fig. 27.
1961 *Periclimenes (Harpilius) brevicarpalis*, - Johnson, Bull. natn. Mus.,
Singapore, 30: 59.
1968 *Periclimenes (Harpilius) brevicarpalis*, - Miyake & Fujino, J. Fac. Agric.,
Kyushu Univ., 14 (3): 410-413, fig. 4.
1971 *Periclimenes (Harpilius) brevicarpalis*, - Monod, Tethys, Suppl. 1: 183. fig.
80.
1971 *Periclimenes brevicarpalis*, - Bruce, Smiths. Contr. Zool., 82: 7-8.
1973 *Periclimenes brevicarpalis*, - Bruce, Crustaceana, 24: 133-134, fig. 1a, b.
1974 *Periclimenes brevicarpalis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 475.
1976 *Periclimenes brevicarpalis*, - Bruce, Zool. J. Linn. Soc., 59: 145.
1976 *Periclimenes brevicarpalis*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
1976 *Periclimenes (Harpilius) brevicarpalis*, - Monod, Cah. Pac., 19: 24, figs.
47-48.
1977 *Periclimenes brevicarpalis*, - Bruce, Crustaceana, 33 (2): 167-168, fig. 1.
1977 *Periclimenes brevicarpalis*, - Suzuki & Hayashi, Publ. Seto mar. biol. Lab.,
24 (1/3):196-197, figs. 1c, 2c, pl. 2, fig. 1.
1978 *Periclimenes brevicarpalis*, - Bruce, Zool. J. Linn. Soc., 62: 217-218, fig.
6.
1979 *Periclimenes brevicarpalis*, - Bruce, Crustaceana, Suppl. 5: 211-213, pl. 1,
fig.A.
1979 *Periclimenes brevicarpalis*, - Bruce, Cah. Indo-Pac., 1 (2): 219.
1981 *Periclimenes brevicarpalis*, - Bruce, Atoll. Res. Bull., 245: 13.
1983 *Periclimenes brevicarpalis*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e
sér., 5, sec. A, 3: 879-880, fig. 7D,E.
1983 *Periclimenes brevicarpalis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 206.
1983 *Periclimenes brevicarpalis*, - Bruce & Svoboda, Zool. Verh., 205: 7-9.
1984 *Periclimenes (Harpilius) brevicarpalis*, - Ledoyer, Zool. Verh., Leiden, 211:

30, fig. 12.

1989 *Periclimenes brevicarpalis*, - Bruce, Asian Mar. Biol., 6: 175.

1989 *Periclimenes brevicarpalis*, - Fransen, Netherlands J. Sea Res., 23 (2): 133-136, fig. 1a-c, tab. 2.

1990 *Periclimenes brevicarpalis*, - Bruce, The Beagle, 7 (2): 16, tab. 1.

1991 *Periclimenes brevicarpalis*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 236.

Distribution: Indo-Pacific, Red Sea (Aqaba, Jordan); Djibouti; Iraq (Bahrein); Seychelles (Mahé, Cerf. Is., between Rat Island and South East Island; West North Island, Cosmoledo Atoll); Maldives (Gan Island, Addu Atoll); Kenya (Leven reef; Ras Iwatine; Kirwetu; Wasin Is.; Mombasa Old Port; Kikambala; Manda); Zanzibar (Bawi Is.; Taramelli; Unguja Unguu; Migombani; Prison Is.; Chukwani; Bat Is.; Nyange reef); Tanganyika (Chile Bay; Mafia); Mocambique; Line Islands; Madagascar (Tuléar); South Africa (Delagoa Bay); Mauritius; South China Sea (South West Cay, North Danger Reef; Pulau Condore; Hainan); Singapore (Tanjong Penuru; Raffles Light); Malaysia (Penang; off Perhentian Islands, Trengganu); Indonesia (Celebes, Flores, Sumbawa, Gebe, Tawitawi, Moluccas, Serute Islands, Jakarta, Makassar); Philippines (Sulu Sea; Cebu: Nailon; Canbyan Island); Australia (Queensland: Heron Island, Florence Bay, Magnetic Island; Low Isles, Great Barrier Reef; W-Australia: Monte Bello Islands); Japan; New Caledonia (Nouméa, Fosse aux Canards; Lagon Nord-Ouest); Marshall Islands (Eniwetok Atoll); Palau Islands; Fanning Island; Santa Cruz Islands, SE-Polynesia.

Depth range: 0-30m.

Habitat: Common in sheltered coral reef locations and seagrass-meadows; muddy bottom with sand and shells.

Host: Actinaria; Alcyonaria; Scleractinia. - *Cryptodendron adhaesivum*; *Entacmea quadricolor*; *Heteractis magnifica* (Quoy & Gaimard, 1833); *Heteractis malu* (Haddon & Shackleton, 1893); *Stichodactyla gigantea* (Forsk., 1775); *Stichodactyla martensi* Brandt, 1835; *Thalassianthus hypnoides* (Saville-Kent, 1893); *Radianthus* sp., *Radianthus malu* (Haddon & Shackleton); *Actinodendron* sp.; possibly *Stichoactinia* sp.; *Stoichactis kenti*, inhabiting the oral cavity; *Physobranchia* sp. Sometimes small juveniles have been found on small alcyonarians and on one occasion on the coral *Goniopora* sp. on record from scleractinian coral *Acropora* sp. According to Holthuis (1952), "the youngs... are found among weeds on the high sea". Several anemone host records in Fransen (1989).

Additional synonymy: *Palaemonella aberrans* Nobili, 1904; *Harpilius latirostris* Lenz, 1905; *Periclimenes hermitensis* Rathbun, 1914; *Palaemonella amboinensis* Zehntner, 1894; *Ancylocaris brevicarpalis*, in Borradaile, 1917; *Periclimenes potina* Nobili, 1906; *Ancylocaris aberrans* Nobili, 1906, Borradaile, 1917.

Periclimenes brevirostris Bruce, 1991

- 1991 *Periclimenes brevirostris* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 322-330, figs. 15-20.

Distribution: New Caledonia (Isle of Pines).
Depth range: 500-550m.

***Periclimenes brocketti* Borradaile, 1915**

- 1917 *Periclimenes (Falciger) brocketti*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 374, pl. 55, fig. 15.
1922 *Periclimenes (Ancylocaris) brocketti*, - Kemp, Rec. Indian Mus., 24: 194.
1978 *Periclimenes brocketti*, - Bruce, Crustaceana, 34 (3): 253-256, figs. 1A, 3.
1981 *Periclimenes brocketti*, - Bruce, Atoll. Res. Bull., 245: 13.
1982 *Periclimenes brocketti*, - Bruce, Mem. Austr. Mus., 16: 197.
1983 *Periclimenes brocketti*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
1990 *Periclimenes brocketti*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Maldives (Male Atoll); Australia (Queensland: Heron Island).

Depth range: shallow water.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - on unidentified brown crinoid.

Additional synonymy: *Periclimenes (Cuapetes) brocketti* Clark, 1921; probably synonymous with *Periclimenes affinis* (Zehntner).

***Periclimenes brocki* (De Man, 1888)**

- 1917 *Periclimenes brocki*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 363, pl. 53, 54, figs. 8f-i.
1922 *Periclimenes (Ancylocaris) brocki*, - Kemp, Rec. Indian Mus., 24: 226.
1952 *Periclimenes (Harpilius) brocki*, - Holthuis, Siboga Exped., 39 (a10) (11): 88.
1961 *Periclimenes (Harpilius) brocki*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
1990 *Periclimenes brocki*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Maldives (Suvadiva Atoll); Singapore Straits; Indonesia (Amboina).

Depth range: 40-78m.

Host: Echinodermata: Echinoidea.

Additional synonymy: *Anchistia brockii* de Man, 1888; *Periclimenes (Cristiger) brocki* Borradaile, 1917.

***Periclimenes calmani* Tattersall, 1921**

- 1921 *Periclimenes calmani* Tattersall, Zool. J. Linn. Soc., 34: 385, pl. 27, fig. 11.
1922 *Periclimenes (Ancylocaris) calmani*, - Kemp, Rec. Indian Mus., 24: 176.
1952 *Periclimenes (Harpilius) ?calmani*, - Holthuis, Siboga Exped., 39 (a10) (11): 64-66.

- 1961 *Periclimenes (Harpilius) calmani*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
 1976 *Periclimenes calmani*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
 1987 *Periclimenes calmani*, - Bruce, J. nat. Hist., 21: 1415-1424, figs. 1-5.
 1987 *Periclimenes calmani*, - Bruce, Indo-Malayan Zool., 4: 123 [comparison with *P. johnsoni*].
 1990 *Periclimenes cf. calmani*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Suez Canal; Sudan); Indonesia (Flores Sea).

Depth range: 2-36m.

Habitat: apparently free-living in mangrove channels, *Enhalus*-beds and polyhaline estuaries.

***Periclimenes carinidactylus* Bruce, 1969**

- 1969 *Periclimenes carinidactylus* Bruce, Zool. Meded., 43 (20): 254-255.
 1980 *Periclimenes carinidactylus*, - Bruce, Crustaceana, 38 (3): 294-305, figs. 1-6.
 1982 *Periclimenes carinidactylus*, - Bruce, Mem. Austr. Mus., 16: 197.
 1983 *Periclimenes carinidactylus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1990 *Periclimenes carinidactylus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: S-Australia (New South Wales (Port Jackson), from Bottle and Glass Rocks; Kangaroo Island).

Depth range: 9m.

Habitat: moderately exposed rocky shores.

Host: Echinodermata: Crinoidea. - *Comanthus trichoptera* (J. Müller).

***Periclimenes ceratophthalmus* Borradaile, 1915**

- 1917 *Periclimenes (Corniger) ceratophthalmus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 365, pl. 54, fig. 9.
 1922 *Periclimenes (Ancylocaris) ceratophthalmus*, - Kemp, Rec. Indian Mus., 24: 172.
 1952 *Periclimenes (Periclimenes) ceratophthalmus*, - Holthuis, Siboga Exped., 39 (a10) (11): 56-57, fig. 20.
 1968 *Periclimenes (Periclimenes) ceratophthalmus*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 402-403, fig. 2a-d.
 1974 *Periclimenes ceratophthalmus*, - Bruce, Crustaceana, 27 (2): 192-193, fig. 2.
 1974 *Periclimenes ceratophthalmus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 475.
 1976 *Periclimenes ceratophthalmus*, - Bruce, Zool. J. Linn. Soc., 59: 145.
 1977 *Periclimenes ceratophthalmus*, - Bruce, Rec. Austr. Mus., 31 (2): 43-46, fig. 1.
 1978 *Periclimenes ceratophthalmus*, - Bruce, Crustaceana, 34 (3): 251-253, fig. 2.
 1980 *Periclimenes ceratophthalmus*, - Bruce, Micronesica, 16 (2): 264-265, fig. 1 j-n.
 1981 *Periclimenes ceratophthalmus*, - Bruce, Atoll. Res. Bull., 245: 14.
 1982 *Periclimenes ceratophthalmus*, - Bruce, Mem. Austr. Mus., 16: 196 [echinoderm

host records].

- 1983 *Periclimenes ceratophthalmus*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 880-883, figs. 4E-D, 5, 6A-C, 7F.
 1990 *Periclimenes ceratophthalmus*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.
 1990 *Periclimenes ceratophthalmus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.

Distribution: Indo-Pacific - Zanzibar (Pungu Mapape); Kenya (Old Port and Port Jesus, Mombasa); Seychelles (Farquhar Atoll); Maldives (Male Atoll, Hulule; Heratera Island); Indonesia (Obi Latu; Moluccas); Australia (Great Barrier Reef: Heron Island, One Tree Island, Capricorn Group); Torres Straits; Caroline and Solomon Islands (Ubdi Harbour, Florida Island); Palau Islands.

Depth range: 0-20m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - *Comanthus* sp., *Comanthus parvicirrus*, *Comanthus timorensis* (J. Müller), *Dichometra afra* A.H. Clark, *Himerometra robustipinna* (P.H. Carpenter), *Himerometra robusta*, *Lamprometra klunzingeri* (Hartlaub), *Stephanometra indica* (Smith), *Stephanometra spicata* (P.H. Carpenter).

Remarks: record from Torres Straits in Bruce (1974) is erroneous, refers to *P. commensalis*.

***Periclimenes colemani* Bruce, 1975**

- 1975 *Periclimenes colemani* Bruce, Rec. Austr. Mus., 29 (18): 487-495, figs. 1-7.
 1981 *Periclimenes colemani*, - Bruce, Atoll. Res. Bull., 245: 14.
 1982 *Periclimenes colemani*, - Bruce, Mem. Austr. Mus., 16: 203.
 1983 *Periclimenes colemani*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1990 *Periclimenes colemani*, - Bruce, The Beagle, 7 (2): 16, tab. 1, 18, tab. 2.

Distribution: E-Australia (Queensland: Heron Island).

Depth range: 11m.

Habitat: coral reefs.

Host: Echinodermata: Echinoidea. - lives in pairs on the test of *Asthenosoma intermedium* H.L. Clark.

***Periclimenes commensalis* Borradaile, 1915**

- 1922 *Periclimenes (Periclimenes) commensalis*, - Kemp, Rec. Indian Mus., 24: 166.
 1952 *Periclimenes (Periclimenes) commensalis*, - Holthuis, Siboga Exped., 39 (a10) (11): 53-56, figs. 18-19.
 1958 *Periclimenes commensalis*, - Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 16, fig. 4A.
 1968 *Periclimenes (Periclimenes) commensalis*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 403-406, fig. 2e-g.
 1971 *Periclimenes commensalis*, - Bruce, Zool. Verh., 114: 7-11, fig. 2.
 1974 *Periclimenes commensalis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 475.
 1976 *Periclimenes (Periclimenes) commensalis*, - Monod, Cah. Pac., 19: 145-147, figs. 44-51.
 1979 *Periclimenes commensalis*, - Bruce, Cah. Indo-Pac., 1 (2): 220.

- 1980 *Periclimenes commensalis*, - Bruce, Pac. Sci., 34 (4): 389-390.
 1980 *Periclimenes commensalis*, - Bruce, Micronesica, 16 (2): 265, fig. 10-r.
 1981 *Periclimenes commensalis*, - Bruce, Atoll. Res. Bull., 245: 14.
 1982 *Periclimenes commensalis*, - Bruce, Mem. Austr. Mus., 16: 196 [echinoderm host records].
 1982 *Periclimenes commensalis*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 236-238, fig. 2.
 1983 *Periclimenes commensalis*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 883-884, fig. 4E.
 1983 *Periclimenes commensalis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1989 *Periclimenes commensalis*, - Bruce, Asian Mar. Biol., 6: 175.
 1990 *Periclimenes commensalis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Torres Straits; Kenya (Wasin Is.; Wasin Channel; Port Jesus, Mombasa); Mocambique, Zanzibar (Shangani; Zanzibar Harbour; Fungu Mapape; Chapani Is.; Nyange reef); Indonesia (Flores); Lesser Sunda Islands; Hong Kong (North Rock); Philippines (Cebu: Moalboal); Australia (Queensland; Murray Island, Torres Straits; Heron Island; Bribie Passage and Myora in Moreton Bay); New Caledonia (Fosse aux Canards, Lagon de Nouméa); Palau Islands; Caroline Islands; Fiji (Ndravuni, Great Astrolabe Reef); Solomon Islands (Honiara); Marshall Islands.

Depth range: 0-40m.

Habitat: coral reefs; muddy bottoms with sand and shells.

Host: Echinodermata: Crinoidea. - *Capillaster multiradiatus* (L.); *Comanthina schlegeli* (P.H. Carpenter), *C. belli* (P.H. Carpenter); *Comanthus parvicirrus* (J. Müller), *Comanthus samoanus* A. H. Clark; *Comanthus timorensis* (J. Müller), *Comaster distinctus* (P.H. Carpenter), *C. bennetti* (J. Müller); *Comatella nigra* (P.H. Carpenter); *Lamprometra palmata*; *Petasometra clarae* (Hartlaub), *Heterometra africana* (A.H. Clark), *Himerometra robustispinna* (P.H. Carpenter), *Tropiometra afra* (Hartlaub), *Zygometra microdiscus* (Bell). It is a common crinoid associates. Holothurioidea. - One juvenile from the Solomon Islands was found on unidentified holothurian (Bruce, 1980: 265).

Additional synonymy: *Periclimenes (Cristiger) commensalis* Borradaile, 1915.

***Periclimenes compressus* Borradaile, 1915**

- 1917 *Periclimenes (Falciger) compressus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 373, pl. 55, fig. 18.
 1922 *Periclimenes (Ancylocaris) compressus*, - Kemp, Rec. Indian Mus., 24: 194.
 1976 *Periclimenes compressus*, - Bruce, Zool. J. Linn. Soc., 59: 146.
 1978 *Periclimenes compressus*, - Bruce, Crustaceana, 34 (3): 256-258, figs. 1B, 4.

Distribution: Seychelles (Saya de Malha).

Depth range: 265m.

***Periclimenes consobrinus* Balss, 1915**

- 1974 *Periclimenes consobrinus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 475.
 1975 *Periclimenes consobrinus*, - Bruce, Crustaceana, 28 (2): 122 [parasitism].
 1976 *Periclimenes consobrinus*, - Bruce, Zool. Verh., Leiden, 145: 10.
 1977 *Periclimenes consobrinus*, - Bruce, Atoll Res. Bull, 205: 2-3 [coral hosts, remarks on synonymy].
 1978 *Periclimenes consobrinus*, - Bruce, Bull. mar. Sci., 28 (1): 132.
 1981 *Periclimenes consobrinus*, - Bruce, Atoll. Res. Bull., 245: 14.
 1983 *Periclimenes consobrinus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1985 *Periclimenes consobrinus*, - Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 230.
 1986 *Periclimenes consobrinus*, - Nakasone, Tsuchiya, Manthachitra & Nishihira, Galaxea, 5: 144, tab. 1, 147, tab. 3, tab. 4.
 1990 *Periclimenes consobrinus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.
 1992 "*Periclimenes consobrinus*", - Bruce, Rec. Austr. Mus., 44: 72-74, fig. 21.

Distribution: Red Sea; Kenya (Malindi; Watamu; Old Port, Mombasa; Ras Iwatine; Tiwi); Tanganyika (Maziwi Is.); Comores (Grande Comore); La Réunion; Philippines; Gulf of Thailand (Kang Khao Island); Indonesia; Philippines; Australia (Great Barrier Reef: Heron Island).

Depth range: shallow subtidal-21m.

Habitat: coral reefs, often lagoons and reef flats.

Host: Scleractinia. - presumably *Acropora*; *Pocillopora damicornis* (L.), *P. hemprichi* (Ehrenberg); *Pavona frondifera*.

Remarks: infested by bopyrid *Orophryxus shiinoi* Bruce, 1972.

Additional synonymy: *Periclimenes (Harpilius) lutescens* in Holthuis, (1952, part.); *Periclimenes lutescens*, in Bruce (1971: 2, 5, part.), (1972: 404).

***Periclimenes coriolis* Bruce, 1985**

- 1985 *Periclimenes coriolis* Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 234-240, figs. 4-7.

Distribution: Philippines.

Depth range: 184-186m.

***Periclimenes cornutus* Borradaile, 1915**

- 1917 *Periclimenes (Corniger) cornutus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 365-366, pl. 54, fig. 10.
 1922 *Periclimenes (Ancylocaris) cornutus*, - Kemp, Rec. Indian Mus., 24: 172.
 1978 *Periclimenes cornutus*, - Bruce, Crustaceana, 34 (3): 259-261, fig. 1C, 5.
 1981 *Periclimenes cornutus*, - Bruce, Atoll. Res. Bull., 245: 14-15.
 1982 *Periclimenes cornutus*, - Bruce, Mem. Austr. Mus., 16: 196 [echinoderm host record].
 1983 *Periclimenes cornutus*, - Bourdon, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5: sec. A, no. 3: 863-865 [bopyrid parasite].
 1983 *Periclimenes cornutus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.

1990 *Periclimenes cornutus*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Maldives (Hulule, North Male Atoll); Australia (Queensland: Heron Island, Wistari Reef).

Depth range: 12-14m.

Habitat: coral reef slopes.

Host: Echinodermata: Crinoidea. - undetermined red and brown crinoids.

Remarks: Probably synonymous with *P. amboinensis*. The bopyrid isopod *Allobopyrus rumphiusi* Bourdon, 1983 is known as parasite of *P. cornutus* in the Molluccas.

Additional synonymy: *Periclimenes* (*Laomenes*) *cornutus* Clark, 1921.

***Periclimenes cristimanus* Bruce, 1965**

1965 *Periclimenes cristimanus* Bruce, *Ann. Mag. nat. Hist.*, ser. 13, 8: 487-492.

1979 *Periclimenes cristimanus*, - Bruce, *Cah. Indo-Pac.*, 1 (2): 220.

1981 *Periclimenes cristimanus*, - Bruce, *Atoll. Res. Bull.*, 245: 15.

1982 *Periclimenes cristimanus*, - Bruce, *Mem. Austr. Mus.*, 16: 202 [echinoid host records].

1982 *Periclimenes cristimanus*, - Bruce, *Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China*, Hong Kong, 1980: 243-244, fig. 6.

1983 *Periclimenes cristimanus*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 207.

1990 *Periclimenes cristimanus*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Singapore (Pulau Sudong, Pulau Jong); Malaysia (Pulau Perhentian Besar); Hong Kong (Kat O Chau, Mirs Bay, Peng Chau, Crescent Island) Australia (Heron Island).

Depth range: 1-17m.

Habitat: coral reefs.

Host: Echinodermata: Echinoidea. - *Diadema setosum* (Leske); *Echinothrix calamaris* (Pallas).

***Periclimenes curvirostris* Kubo, 1940**

1940 *Periclimenes* (*Periclimenes*) *curvirostris* Kubo, *J. Imp. Fish. Inst. Tokyo*, 34: 35. [not seen]

Distribution: Japan.

Depth range: 300m.

***Periclimenes darwiniensis* Bruce, 1987**

1987 *Periclimenes darwiniensis* Bruce, *Crustaceana*, 52 (1): 29-38, figs. 1-5.

1990 *Periclimenes darwiniensis*, - Bruce, *The Beagle*, 7 (2): 12, 17, tab. 1, 18, tab. 2.

Distribution: Australia (Weed Reef, Darwin Harbour, Northern Territory); Gulf of Carpentaria.

Depth range: intertidal-shallow subtidal.

Habitat: intertidal pools.

Remarks: probably a free-living micropredator.

***Periclimenes delagoae* Barnard, 1958**

1958 *Periclimenes delagoae* Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 14-16, fig. 4B.

1987 *Periclimenes delagoae*, - Bruce, J. nat. Hist., 21: 1425-1431, figs. 7-9.

Distribution: Mocambique (Delagoa Bay).

Depth range:

Habitat: "in coral" (Barnard).

***Periclimenes demani* Kemp, 1915**

1922 *Periclimenes (Ancylocaris) demani*, - Kemp, Rec. Indian Mus., 24: 219-220, fig. 64.

1952 *Periclimenes (Harpilius) demani*, - Holthuis, Siboga Exped., 39 (a10) (11): 83-84.

1982 *Periclimenes demani*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 238-240, fig. 3.

Distribution: India (Chilka Lake in Orissa and Adyar R. and Ennur backwater near Madras); Mocambique (Delagoa Bay); Mergui Archipelago; Hong Kong.

Depth range: shallow water.

Habitat: lives in brackish water, as well as in pure seawater; *Zostera* beds.

***Periclimenes denticulatus* Nobili, 1906**

1906 *Periclimenes petitthouarsi* var. *denticulata* Nobili, Buill. Mus. natn. Hist. nat., Paris, 12: 257-258.

1922 *Periclimenes (Ancylocaris) denticulatus*, - Kemp, Rec. Indian Mus., 24: 197.

1953 *Palaemonella denticulata*, - Holthuis, Atoll. Res. Bull., 24:

1979 *Periclimenes identiculatus*, - Bruce, Cah. Indo-Pac., 1 (2): 230-231.

1990 *Periclimenes denticulatus*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 18, tab. 2.

1992 *Periclimenes denticulatus*, - Bruce, Rec. Austr. Mus., 44: 59-62, figs. 12-14.

Distribution: Australia (Queensland: off Coconut Beach, Lizard Island); French Polynesia. - Gambier Islands (Gatavake, Mangareva Atoll), Tuamotu Archipelago (Raroia Atoll, Oneroa Island); Arno and Enetwetak Atolls; Marshall Islands (Arno Atoll, Ine village); northern South China Sea.

Depth range: 12-37m.

Habitat: on sand with *Halimeda* and on *Acropora* heads in

lagoons; coral and *Lithothamnion* rubble.

Host: probably free-living.

Remarks: Has been caught in traps.

Additional synonymy: *Periclimenes petitthouarsi* var. *denticulata* Nobili, 1906; *Periclimenes (Falciger) denticulatus* Borradaile, 1917; *Palaemonella denticulata* in Holthuis, 1953; *Periclimenes identiculatus* in Bruce, 1979, erroneous spelling.

***Periclimenes dentidactylus* Bruce, 1984**

1984 *Periclimenes dentidactylus* Bruce, Mar. Res. Indonesia, 24: 7-16, figs. 1-6.

Distribution: Indonesia (Makassar Strait).

Depth range: 592-595m.

***Periclimenes digitalis* Kemp, 1922**

1922 *Periclimenes (Ancylocaris) digitalis* Kemp, Rec. Indian Mus., 24: 224-226, fig. 65, pl. VIII, fig. 12.

1952 *Periclimenes digitalis*, - Holthuis, Siboga Exped., 39 (a10) (11): 87-88, fig. 34.

1979 *Periclimenes ? digitalis*, - Bruce, Cah. Indo-Pac., 1 (2): 231.

1982 *Periclimenes digitalis*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 240-243, figs. 4-5.

1990 *Periclimenes digitalis*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Andaman Islands (Port Blair); Indonesia (Flores Sea); Hong Kong (Harbour Island, Tolo Channel).

Depth range: 8-36m.

Habitat: coral bottom.

***Periclimenes difficilis* Bruce, 1976**

1976 *Periclimenes difficilis* Bruce, Zool. J. Linn. Soc., 59: 111-117, figs. 15-17, 146.

1977 *Periclimenes difficilis*, - Bruce, Atoll Res. Bull, 205: 5.

Distribution: Seychelles (Praslin: Baie St. Anne).

Depth range: 5.5m.

Habitat: coral reefs.

Host: Scleractinia. - *Porites nigrescens* (Dana).

***Periclimenes diversipes* Kemp, 1922**

1922 *Periclimenes (Ancylocaris) diversipes* Kemp, Rec. Indian Mus., 24: 179-184, figs. 36-39.

1966 *Periclimenes (Harpilius) diversipes*, - Patton, Crustaceana, 10: 274.

1971 *Periclimenes diversipes*, - Bruce, Smiths. Contr. Zool., 82: 9-10.

1974 *Periclimenes diversipes*, - Bruce, J. mar. biol. Ass. India, 16 (2): 475-476.

1976 *Periclimenes diversipes*, - Bruce, Zool. J. Linn. Soc., 59: 99-103, figs. 7-

9, 146.

- 1976 *Periclimenes diversipes*, - Bruce, Zool. Verh., Leiden, 145: 11.
 1977 *Periclimenes diversipes*, - Bruce, Atoll Res. Bull, 205: 4.
 1978 *Periclimenes diversipes*, - Bruce, Zool. J. Linn. Soc., 62: 228.
 1979 *Periclimenes diversipes*, - Bruce, Cah. Indo-Pac., 1 (2): 221-222.
 1981 *Periclimenes diversipes*, - Bruce, Atoll. Res. Bull., 245: 15.
 1983 *Periclimenes diversipes*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1986 *Periclimenes diversipes*, - Nakasone, Y., M. Tsuchiya, V. Manthachitra & M. Nishihira, Galaxea, 5: 144, tab. 1, 147, tab. 3.
 1990 *Periclimenes diversipes*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Ghardaqa); Gulf of Aden; Kenya (Malindi; Watamu; Maziwi Island; Ras Iwatine; Kirwetu); Tanganyika (Mazivi Is.); Zanzibar (Nyange reef; Migombani; Chukwani; Mazizini; Pange reef; Mangapwani); Seychelles (Mahé, Port Victoria; Praslin, Baie St. Anne, Curieuse Baie); Comores (Mayotte); Bay of Bengal; Andaman Islands (Port Blair); Gulf of Manaar (Kilakarai); La Réunion; Madagascar (Trois Frères, Nosy Bé); Singapore (Pulau Hantu); Gulf of Thailand (Khang Khao Island); Australia (Great Barrier Reef; Restoration Rock; Heron Island; Coral Sea).

Depth range: 1-4m.

Habitat: shallow-water coral reef locations.

Host: Scleractinia. - associated with a wide range of coral genera. *Acropora tenuis* (Dana), *A. variabilis* (Klunzinger); *Galaxea clavus* (Dana); *Goniopora* sp.; *Porites nigrescens* Dana, *Porites iwayamanensis* Eguchi; *Montipora prolifera* Brueggemann; *Montipora circumvallata* (Ehrenberg); *Pavona frondifera*, *P. danai* (M. Milne-Edwards & Haime); *Pocillopora damicornis* (L.); *Psammopora tongianensis* Umbgrove; *Seriatopora* sp.; *Stylophora erythraea* von Marenzeller.

***Periclimenes edwardsi* (Paulson, 1875)**

- 1875 *Anchistia edwardsi* Paulson, Investigations on the Crustacea of the Red Sea with notes on Crustacea of the adjacent Seas. Part I.: 114, pl. pl. XVII, fig. 2.
 1922 *Periclimenes (Ancylocaris) edwardsi*, - Kemp, Rec. Indian Mus., 24: 172.
 1967 *Periclimenes (Harpilius) cf. edwardsi*, - Ledoyer, Rec. trav. sta. mar. d'Endoume-Marseille, suppl. 8: 69-70, pl. 5, figs. 1-9.
 1978 *Periclimenes edwardsi*, - Bruce, Zool. J. Linn. Soc., 62: 286 [text].

Distribution: Red Sea; ?Madagascar (Tuléar).

Additional synonymy: *Periclimenes (Falciger) edwardsi* Borradaile, 1917.

***Periclimenes elegans* (Paulson, 1875)**

- 1875 *Anchistia elegans* Paulson, Investigations on the Crustacea of the Red Sea with notes on Crustacea of the adjacent Seas. Part I.: 113, pl. XVII, fig. 1a-h.
 1922 *Periclimenes (Ancylocaris) elegans*, - Kemp, Rec. Indian Mus., 24: 215-219, figs. 60-63.

- 1952 *Periclimenes (Harpilius) elegans*, - Holthuis, Siboga Exped., 39 (a10) (11): 81--82, fig. 31.
 1953 *Periclimenes (Harpilius) elegans*, - Holthuis, Atoll. Res. Bull., 24: 55.
 1961 *Periclimenes elegans*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
 1968 *Periclimenes (Harpilius) elegans*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 406-408, fig. 3a-b.
 1971 *Periclimenes elegans*, - Bruce, Smiths. Contr. Zool., 82: 6-7.
 1974 *Periclimenes elegans*, - Bruce, J. mar. biol. Ass. India, 16 (2): 476.
 1977 *Periclimenes elegans*, - Bruce, Rec. Austr. Mus., 31 (2): 42-43.
 1978 *Periclimenes elegans*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1979 *Periclimenes elegans*, - Bruce, Cah. Indo-Pac., 1 (2): 222.
 1981 *Periclimenes elegans*, - Bruce, Atoll. Res. Bull., 245: 15.
 1983 *Periclimenes elegans*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 884-885.
 1983 *Periclimenes elegans*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207.
 1990 *Periclimenes elegans*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Red Sea (St. John Is.; Tor); Gulf of Aden; Mocambique; Zanzibar (Bawi Is.; Makunduchi; Nyange; Pange; Fawatu reefs; Chukwani; Bat Is.; Marumbi); Tanganyika (Kunduchi; Fungu Nyama; Tanga; Maziwi Is.); Kenya (Leven reef and Andromanche reef, Mombasa Island, Mombasa; Nyali; Kikembala); Tanzania (Dar es Salaam); Persian Gulf; Seychelles (Farquhar Atoll); Madagascar (Tulear); Bay of Bengal; Andaman Islands (Port Blair); Indonesia; Australia (Cape Jaubert, W-Australia; Great Barrier Reef; Low Isles, Northwest Islet; West Cay, Diamond Islets; Capricorn Islands; Heron Island); Hong Kong (Port Shelter, Sharp Island; Deep Water Bay; Cape d'Aguilar); Singapore (Changi); Marshall Islands (Arno Atoll, Ine village); Palau Islands.

Depth range: low water-32m.

Habitat: coral reefs. - The species is a common free-living predator on coral reef flats with shallow pools; also found among weed and corals; *Enhalus*-beds; pearlbanks; on *Lithothamnion*-bottom.

Additional synonymy: *Anchistia elegans* Paulson, 1875, Nobili, 1906; *Periclimenes (Falciger) dubius* Borradaile, 1917; *Periclimenes (Ancylocaris) elegans* var. *dubius* Kemp, 1922.

***Periclimenes ensifrons* (Dana, 1852)**

- 1852 *Anchistia ensifrons* Dana, U. S. Explor. Exped..., Crustacea I, 13: 580, pl. XXXVIII, fig. 1a-g.
 1922 *Periclimenes (Ancylocaris) ensifrons*, - Kemp, Rec. Indian Mus., 24: 209-210.
 1971 *Periclimenes ensifrons*, - Bruce, Smiths. Contr. Zool., 82: 5-6.
 1974 *Periclimenes ensifrons*, - Bruce, J. mar. biol. Ass. India, 16 (2): 476.
 1976 *Periclimenes ensifrons*, - Bruce, Zool. J. Linn. Soc., 59: 145.

Distribution: Red Sea (Obock; Dahab); Zanzibar (Chukwani; Mazizini; Bububu; Bawi Is.); Comores (Mayiotte); Seychelles (Aldabra Atoll); Straits of Balabac, North of Borneo; Papua New-Guinea (Beagle Bay); French Polynesia (Tuamotu Archipelago; Amanu, Fakahina).

Depth range: 0-2m.

Habitat: pools on coral reefs.

Additional synonymy: *Anchistia ensifrons* Dana, 1852;
Periclimenes (Falciger) ensifrons Borradaile, 1917.

***Periclimenes exederens* Bruce, 1969**

1969 *Periclimenes exederens* Bruce, Zool. Meded., 43 (20): 255-256.

1979 *Periclimenes exederens*, - Bruce, Cah. Indo-Pac., 1 (2): 222.

Distribution: South China Sea.

Depth range: 82-86m.

Habitat: muddy sand.

Remarks: from stomach contents of the fish *Nemipterus bathybius*.

***Periclimenes forcipulatus* Bruce, 1991**

1991 *Periclimenes forcipulatus* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 330-338, figs. 21-25.

Distribution: Loyalty Islands.

Depth range: 460m.

Host: Porifera. - *Phoronema* sp.; hexactinellid sponges.

***Periclimenes foresti* Bruce, 1981**

1981 *Periclimenes foresti* Bruce, Mem. ORSTOM, 91: 201-204, figs. 10-11, 17c.

1985 *Periclimenes foresti*, - Bruce, Mém. Mus. natn. Hist. nat., sér. A, Zool., 133: 232-234, figs. 2-3.

Distribution: Philippines.

Depth range: 136-209m.

***Periclimenes foveolatus* Bruce, 1981**

1981 *Periclimenes foveolatus* Bruce, Mem. ORSTOM, 91: 196-201, figs. 6-9, 17a-b, 18b, e.

1991 *Periclimenes foveolatus*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 312-313, figs. 8, 72.

Distribution: Philippines (off Lubang); Loyalty Islands.

Depth range: 187-236m.

***Periclimenes franklini* Bruce, 1990**

1990 *Periclimenes franklini* Bruce, The Beagle, 7 (1): 55-63, figs. 1-5.

1990 *Periclimenes franklini*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 18, tab. 2.

1991 *Periclimenes franklini*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 314-315, fig. 9.

Distribution: Coral Sea; New Caledonia.
 Depth range: 260-305m.
 Host: ?Gorgonaria.

***Periclimenes fujinoi* Bruce, 1990**

- 1990 *Periclimenes fujinoi* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 161-167, figs. 8-11, 39a-b.
 1990 *Periclimenes fujinoi*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: New Caledonia (Chesterfield Islands).
 Depth range: 487-610m.

***Periclimenes galene* Holthuis, 1952**

- 1952 *Periclimenes (Harpilius) galene* Holthuis, Siboga Exped., 39 (a10) (11): 62-64, fig. 24.
 1974 *Periclimenes galene*, - Bruce, J. mar. biol. Ass. India, 16 (2): 476.
 1976 *Periclimenes galene*, - Bruce, Zool. Verh., Leiden, 145: 12-15, figs. 3-4.
 1981 *Periclimenes galene*, - Bruce, Atoll. Res. Bull., 245: 15-16.
 1983 *Periclimenes galene*, - Bruce, Austr. Mus. Sydney, Mem., 18: 207-208.
 1990 *Periclimenes galene*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Kenya (Watamu; Ras Iwatine; Wasin Is.); Tanganyika (Maziwi Is.); Zanzibar (Bawi Is.); Indonesia; Australia (Queensland: Heron Island).
 Depth range: 2-26m.
 Habitat: coral reefs.
 Host: Hydrozoa. - from the fire weed *Aglaophenia* sp. (Hydrozoa) and *Lytocarpus philippinus*.

***Periclimenes goniopora* Bruce, 1989**

- 1974 *Periclimenes goniopora*, - Bruce, J. mar. biol. Ass. India, 16 (2): 476 [nomen nudum].
 1977 *Periclimenes goniopora*, - Bruce, Atoll Res. Bull., 205: 5 [nomen nudum].
 1981 *Periclimenes goniopora*, - Bruce, Atoll. Res. Bull., 245: 16 [nomen nudum].
 1983 *Periclimenes goniopora*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208 [nomen nudum].
 1989 *Periclimenes goniopora* Bruce, The Beagle, 6 (1): 149-155, figs. 1-3, 4A; 155 [key to females of species related to *P. diversipes*].
 1990 *Periclimenes goniopora*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 18, tab. 2.

Distribution: Kenya (Ras Iwatinae, Mombasa, Watamu, Shimoni); La Réunion; Australia (Queensland: Heron Island).
 Depth range: shallow subtidal-6m.
 Habitat: coral reefs. - reef flats and fringing reef lagoons.
 Host: Scleractinia. - *Goniopora stutchbury* Wells, *Goniopora tenuidens* Milne-Edwards & Haime, *Galaxea fascicularis*

(L.), *Porites cylindrica* Dana; *Lobophyllia* sp; *Montipora*.
Additional synonymy: *Periclimenes diversipes* [part].

***Periclimenes gorgonicola* Bruce, 1969**

1969 *Periclimenes gorgonicola* Bruce, Zool. Meded., 43 (20): 257-258.

1979 *Periclimenes gorgonicola*, - Bruce, Cah. Indo-Pac., 1 (2): 223.

Distribution: northern South China Sea.

Depth range: 110-132m.

Host: Gorgonaria. - the gorgonians *Melitheia ?albitincta* (Ridley), *Acabaria gracillima* (Ridley).

***Periclimenes gracilis* (Dana, 1852)**

1852 *Anchistia gracilis* Dana, U.S. Explor. Exped. Crust., I: 578, pl. XXXVII, fig. 5a-m.

1922 *Periclimenes (Periclimenes) gracilis*, - Kemp, Rec. Indian Mus., 24 (2): 150.

Distribution: Sulu Sea.

Additional synonymy: *Periclimenes (Cristiger) gracilis* Borradaile, 1917.

***Periclimenes grandis* (Stimpson, 1860)**

1922 *Periclimenes (Ancylocaris) grandis*, - Kemp, Rec. Indian Mus., 24: 210-214, figs. 58-59.

1952 *Periclimenes (Harpilius) grandis*, - Holthuis, Siboga Exped., 39 (a10) (11): 79-81.

1958 *Periclimenes (Harpilius) grandis*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 8-9.

1961 *Periclimenes (Harpilius) grandis*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.

1971 *Periclimenes grandis*, - Bruce, Smiths. Contr. Zool., 82: 6.

1973 *Periclimenes grandis*, - Bruce, Crustaceana, 24: 132-133.

1974 *Periclimenes grandis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 476.

1976 *Periclimenes grandis*, - Bruce, Zool. J. Linn. Soc., 59: 145.

1976 *Periclimenes grandis*, - Bruce, Zool. Verh., Leiden, 145: 6-10, fig. 2.

1976 *Periclimenes grandis*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.

1977 *Periclimenes grandis*, - Bruce, Rec. Austr. Mus., 31 (2): 42.

1977 *Periclimenes grandis*, - Bruce, Crustaceana, 33 (3): 266.

1978 *Periclimenes grandis*, - Bruce, Zool. J. Linn. Soc., 62: 217.

1978 *Periclimenes grandis*, - Holthuis, Zool. Verh., 162: 49.

1990 *Periclimenes grandis*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Red Sea (Ghardaqa); Gulf of Aden; Kenya (Watamu; Ras Iwatine; Mombasa Island; Mombasa Old Port; Likoni; Andromanche reef; Kisiti Is.; Kirwetu Is.; Manda Is.); Zanzibar (Mazizini; Chukwani); Tanganyika (Pangani Bay; Mkoma Bay); Tanzania (Dar es Salaam); Comores (Mayotte); Seychelles (Mahé; Beau Vallon; Amirante Islands: Resource Is.); Mocambique; Madagascar (Majunga, Iles Glorieuses, Nosy Bé); Malaysia (Pulau

Nangka off Malacca); Singapore (Burun Darat; Sultan Shoal); Indonesia (Pulau Berhala off Sumatra; Lesser Sunda Islands, Sumba: seashore near Melolo); Australia (Picnic Bay, Magnetic Island); Japan (Oshima).

Depth range: littoral.

Habitat: A common inhabitant of reef flats and in pools. Also on muddy sand, under dead corals, on algal crests and under stones.

Remarks: Has been found parasitized by the bopyrid *Orophryxus shiinoi*. *P. grandis* is probably a free-living micropredator.

Additional synonymy: *Periclimenes vitiensis*, in Pearson (1905); *Anchistia grandis* Stimpson, 1860; *Anchistia ensifrons* Müller, 1887; *Periclimenes ensifrons* De Man, 1902, Lenz, 1905, Nobili, 1906, Balss, 1915.

***Periclimenes granulimanus* Bruce, 1978**

1978 *Periclimenes granulimanus* Bruce, Zool. J. Linn. Soc., 62: 237-244, figs. 16-19.

1981 *Periclimenes granulimanus*, - Bruce, Atoll. Res. Bull., 245: 16.

1983 *Periclimenes granulimanus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.

1990 *Periclimenes granulimanus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Madagascar (Tany-Kely, NW coast near Nosy Bé); Australia (Queensland: Wistari Reef, Heron Island).

Depth range: 27m.

Habitat: coral reefs. - sandy bottom with foraminiferans.

Host: unidentified Antipatharia; Hydrozoa. - *Lytocarpus philippinus*.

***Periclimenes hertwigi* Balss, 1913**

1952 *Periclimenes (Periclimenes) hertwigi*, - Holthuis, Siboga Exped., 39 (a10) (11): 43-47, figs. 11-12.

1970 *Periclimenes hertwigi*, - Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 16 (3): 249-250.

1982 *Periclimenes hertwigi*, - Bruce, Mem. Austr. Mus., 16: 202 [echinoid host records].

1983 *Periclimenes hertwigi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.

1990 *Periclimenes hertwigi*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

1990 *Periclimenes hertwigi*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 150-153, figs. 1-2, 39c.

1991 *Periclimenes cf. hertwigi*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 310-311, fig. 7.

Distribution: Indo-Pacific - Indonesia; Kei Islands; Australia (Queensland: off Mooloolaba); Japan (Sagami Bay); East China Sea; New Caledonia (Isle of Pines).

Depth range: 120-600m.

Habitat: grey clay.

Host: Echinodermata: Echinoidea. - *Araeosoma thetidis* (H.L. Clark); *Phormosoma* sp.

Remarks: Parasite. - *Bopyrina paucimaculata* Markham (Isopoda: Bopyridae).

Additional synonymy: *Periclimenes* (*Ancylocaris*) *gracilirostris* Kubo, 1940.

***Periclimenes hirsutus* Bruce, 1971**

1975 *Periclimenes hirsutus*, - Rec. Austr. Mus., 29 (18): 493-494, fig. 8 [comparison with *P. colemani*].

1986 *Periclimenes hirsutus*, - Bruce, Pac. Sci., 25: 91-98, fig. 1.

1974 *Periclimenes hirsutus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 477.

1976 *Periclimenes hirsutus*, - Bruce, Zool. J. Linn. Soc., 59: 110-111, 146.

1982 *Periclimenes hirsutus*, - Bruce, Mem. Austr. Mus., 16: 203.

Distribution: Zanzibar (Mtoni); Seychelles (Mahé: off Grande Anse Bay, Curieuse Bay); Fiji (Viti Levu: Nukulau Is.).

Depth range: 9-43m.

Habitat: coarse sand.

Host: Echinodermata: Echinoidea. - most probably *Astropyga radiata* (Leske).

***Periclimenes holmesi* Nobili, 1907**

1907 *Periclimenes holmesi* Nobili, Ann. Mus. Univ. Napoli, n. ser., 2 (21): 5.

1921 *Periclimenes tenuipes*, - Schmitt, Univ. Calif. Publ. Zool., 23: 39, fig. 24a-b.

1922 *Periclimenes holmesi*, - Kemp, Rec. Indian Mus., 24: 218-219.

1937 *Periclimenes holmesi*, - Chace, Zoologica (NY), 22: 132-133.

Distribution: Californian Coast, extending from Santa Catalina Island to the Gulf of California.

Depth range: shallow water.

Habitat: sandy bottoms with vegetation.

***Periclimenes holthuisi* Bruce, 1969**

1952 *Periclimenes* (*Periclimenes*) *aesopius* Holthuis, Siboga Exped., 39 (a10) (11): 8, 32, 34-37, 39, figs. 1-6.

1969 *Periclimenes holthuisi* Bruce, Zool. Meded., 43 (20): 258-259.

1969 *Periclimenes holthuisi*, - Monod, Cah. Pac., 13: 216-220, figs. 69-73.

1972 *Periclimenes holthuisi*, - Bruce, Crustaceana, 23: 300-302.

1974 *Periclimenes holthuisi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 477.

1977 *Periclimenes holthuisi*, - Bruce, Crustaceana, 33 (2): 170.

1977 *Periclimenes holthuisi*, - Bruce, Atoll Res. Bull., 205: 5.

1977 *Periclimenes holthuisi*, - Bruce, Austral. Zool., 19 (2): 225-226, fig. 7.

1977 *Periclimenes holthuisi*, - Suzuki & Hayashi, Publ. Seto mar. biol. Lab., 24 (1/3): 197-198, figs. 1d, 2d.

1979 *Periclimenes holthuisi*, - Bruce, Crustaceana, Suppl. 5: 206, fig. 6.

1979 *Periclimenes holthuisi*, - Bruce, Cah. Indo-Pac., 1 (2): 223.

1981 *Periclimenes holthuisi*, - Bruce, Atoll. Res. Bull., 245: 16.

- 1982 *Periclimenes holthuisi*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 244-246, fig. 7.
- 1983 *Periclimenes holthuisi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
- 1983 *Periclimenes holthuisi*, - Bruce & Svoboda, Zool. Verh., 205: 10-12, fig. 3.
- 1984 *Periclimenes holthuisi*, - Bruce, Asian Mar. Biol., 1: 94.
- 1985 *Periclimenes holthuisi*, - Bruce, The Beagle, 1 (14): 125.
- 1989 *Periclimenes holthuisi*, - Franssen, Netherlands J. Sea Res., 23 (2): 139-143, figs. 4a, 5a-b, 6a-f, 7a-g, tab. 4.
- 1990 *Periclimenes holthuisi*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.
- 1991 *Periclimenes holthuisi*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 236.

Distribution: Indo-Pacific - Red Sea (Aqaba, Jordan); Zanzibar (Zanzibar Harbour; Bawi Is.; Fungu Mapape); Maldives; Sri Lanka; Indonesia (Mollucas); Philippines (Cebu); Papua New-Guinea; South China Sea; Hong Kong (Lung Ha Wan, Tolo Channel, Kat O Chau, Long Ka Wan); Australia (Great Barrier Reef; Heron Island; Peloris Island; Moreton Bay); Papua New-Guinea (Madang); Palau Islands; Central Japan; New Caledonia (Baie des Citrons, Nouméa; île Ouen, baie du Prony; Atoll de Surprise; Grand Récif Sud); Lord Howe Island (Malabar Is., Tenth of June Is.).

Depth range: shallow subtidal-67m.

Habitat: coral reefs; soft and rock bottoms.

Host: Scleractina; Actinaria; Scyphozoa. - *Goniopora*; *Catalaphyllia*; *Euphyllia glabrescens*; *Plerogyra sinuosa*. Actinaria; Scyphozoa. - usually on anemones (Hong Kong); in Indonesia on *Dofleinia armata* Wassilieff; and *Entacmaea quadricolor* Ehrenberg; *Heteractis magnifica*; *Actinodiscus*; *Megalactis*; in association with fungiid corals, *Fungia actiniformis* Quoy & Gaimard (Queensland). It has also been reported in association with the jelly fish *Cassiopeia andromeda* Forsskal. Up to eight individuals, of both sexes, were found on a single host.

Additional synonymy: various records of *Periclimenes aesopius* belong to *holthuisi* (cf. Bruce, 1977, Austral. Zool.); *Urocaris longicaudata* Pearson, 1905.

***Periclimenes hongkongensis* Bruce, 1969**

- 1969 *Periclimenes hongkongensis* Bruce, Zool. Meded., 43 (20): 259-260.
- 1979 *Periclimenes hongkongensis*, - Bruce, Cah. Indo-Pac., 1 (2): 223-224.
- 1982 *Periclimenes hongkongensis*, - Bruce, Mem. Austr. Mus., 16: 204.
- 1982 *Periclimenes hongkongensis*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 247-252, figs. 8-10.

Distribution: Hong Kong (Po Toi Island; Rocky Harbour).

Depth range: 13.5-28m.

Host: Echinodermata: Holothuroidea. - the holothurian *Aphelodactyla andamanensis* (Bell).

***Periclimenes imperator* Bruce, 1967**

- 1967 *Periclimenes imperator* Bruce, Zool. Verh., 87: 53-62, figs. 23-25.
 1968 *Periclimenes imperator*, - Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1166-1167.
 1971 *Periclimenes imperator*, - Bruce, Smiths. Contr. Zool., 82: 10-11.
 1971 *Periclimenes imperator*, - Castro, Pac. Sci., 25: 396.
 1972 *Periclimenes imperator*, - Bruce, Crustaceana, 23: 109-111, pl.I [behavior].
 1973 *Periclimenes imperator*, - Bruce, Crustaceana, 24: 135-136.
 1973 *Periclimenes imperator*, - Schuhmacher, Mar. Biol., 22: 355-356, fig. 1 [biology].
 1974 *Periclimenes imperator*, - Bruce, J. mar. biol. Ass. India, 16 (2): 477.
 1976 *Periclimenes imperator*, - Bruce, Zool. J. Linn. Soc., 59: 146.
 1976 *Periclimenes imperator*, - Bruce, Zool. Verh., Leiden, 145: 16.
 1977 *Periclimenes imperator*, - Bruce, Crustaceana, 33 (2): 170.
 1978 *Periclimenes imperator*, - Bruce, Zool. J. Linn. Soc., 62: 230.
 1981 *Periclimenes imperator*, - Bruce, Atoll. Res. Bull., 245: 16-17.
 1982 *Periclimenes imperator*, - Bruce, Mem. Austr. Mus., 16: 204 [holothurian host records].
 1983 *Periclimenes imperator*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
 1983 *Periclimenes imperator*, - Bruce & Svoboda, Zool. Verh., 205: 9-10, fig. 2.
 1990 *Periclimenes imperator*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.
 1991 *Periclimenes imperator*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 237.

Distribution: Indo-Pacific - Red Sea (Eilat; Aqaba, Jordan); Kenya (near Watamu, Casuarina Point; Malindi; Ras Iwatine; Bamburi; Nyali); Zanzibar (Chumbe Island; Tumbatu Island; Nyange reef); Mocambique (Inhaca Island; Delagoa Bay); Comores (Moroni); Seychelles (Anse la Mouche, Mahé); Madagascar (Mitsio); Australia (Queensland: Heron Island; Lizard Island; Orpheus Island; Bligh Reef); Japan; New Caledonia (W. of île des Pins; île Ouen, baie du Prony Nouméa; Lagon Nord-Ouest); Loyalty Islands; Hawaii (Oahu).

Depth range: 1-40m.

Habitat: coarse gravel substrates and finer substrates in coral reef environments.

Host: Nudibranchia. - Single pairs are sometimes found on the surface of nudibranchs, while juveniles are often observed in association with holothurians. Adult specimens are usually associated with the large swimming sea slugs of the genus *Hexabranhus*. According to Schuhmacher (1973: 355) the shrimps feed on particles adhering to the mucous surface of the host. The usual most often reported host for this species is the nudibranch *Hexabranhus marginatus* Quoy & Gaimard. Other host records. - *Holothuria (Microthele) fuscopunctata* Jager; "on the dorsal aspect of the holothurian *Bohadschia* sp."; *Bohadschia argus*; *Thelonota ananas*; *Stichopus* sp., *Stichopus chloronotus* Brandt, *Stichopus variegatus* Semper; *Euapta godefroyi*; *Synapta maculata* (Chamisso & Eysenhardt); *Thelenota ananas* (Jaeger); *Actinopyga hannwarthi* (Echinodermata: Holothuroidea); juveniles from the holothurian *Stichopus variegatus* Semper; adults on *Hexabranhus marginatus* Quoy & Gaimard, 1832, *Hexabranhus*

imperialis and *Dendrodoris tuberculosa* (Quoy & Gaimard)
nudibranchs.

***Periclimenes incertus* Borradaile, 1915**

- 1917 *Periclimenes (Cristiger) incertus*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 364, pl. 53, fig. 7.
 1922 *Periclimenes impar* Kemp, Rec. Indian Mus., 24: 147-149, text-figs. 16-17, pl. III, fig. 1.
 1922 *Periclimenes incertus*, - Kemp, Rec. Indian Mus., 24: 150.
 1952 *Periclimenes (Periclimenes) impar*, - Holthuis, Siboga Exped., 39 (a10) (11): 38-39, fig. 7.
 1959 *Periclimenes (Periclimenes) incertus*, - Holthuis, Zool. Meded., 36 (11): 193-194.
 1971 *Periclimenes incertus*, - Bruce, Smiths. Contr. Zool., 82: 8.
 1974 *Periclimenes incertus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 477.
 1977 *Periclimenes incertus*, - Bruce, Crustaceana, 33 (3): 268-269, fig. 3.
 1978 *Periclimenes incertus*, - Bruce, Zool. J. Linn. Soc., 62: 222.
 1980 *Periclimenes incertus*, - Bruce, Cah. Indo-Pac., 2 (1): 10-13, figs. 4f-k, 5a-c.
 1981 *Periclimenes incertus*, - Bruce, Atoll. Res. Bull., 245: 17.
 1983 *Periclimenes incertus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
 1984 *Periclimenes (Periclimenes) incertus*, - Ledoyer, Zool. Verh., Leiden, 211: 30, fig. 13.
 1990 *Periclimenes incertus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Aden (Gold Mohur Bay); Kenya (Kisiti Is.; Port Jesus, Mombasa; Kilindi Harbour, Mombasa; Wasin Is.); Tanganyika (Tanga Harbour); Zanzibar (Bububu; Chumbe Is.; Kibweni; Bawi Is.; Sangani; Zanzibar Harbour; Chango Is.; Murugo reef; Nyange reef; Zanzibar Channel); Madagascar (Trois Frères, Nosy Be); Maldives (South Nilandu Atoll); Sri Lanka; Andaman Islands; Indonesia (Baie d'Ambaro; Lesser Sunda and Aru Islands); Australia (W-Australia: Cape Jaubert; Queensland: Heron Island; New Caledonia (Nouméa, Ilot Maitre)).

Depth range: 1-49.5m.

Habitat: coral reefs; muddy sand; also in seagrass-beds.

Host: Porifera. - The species has been found on the surface of the sponge hosts: *Arenochalina*; *Leucetta*; *Clathria* sp.; *Siphonochalina* sp. (Haplosclerida; Porifera); *Petrosia testudina* (Lam.); *Oceanapia* sp.; *Dysidea fragilis* (Montagu); *Spirastrella vagabunda* Ridley; *Desmopsamma* sp.; *Acarnus ternatus* Ridley; *Gelastocaris paronae*.

***Periclimenes indicus* (Kemp, 1915)**

- 1922 *Periclimenes (Periclimenes) indicus*, - Kemp, Rec. Indian Mus., 24: 144, fig. 13.
 1952 *Periclimenes (Periclimenes) indicus*, - Holthuis, Siboga Exped., 39 (a10) (11): 39-40, fig. 8.
 1977 *Periclimenes indicus*, - Bruce, Austral. Zool., 19 (2): 226-228, fig. 8.
 1979 *Periclimenes indicus*, - Bruce, Cah. Indo-Pac., 1 (2): 221.

- 1983 *Periclimenes indicus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
 1990 *Periclimenes indicus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Nicobar Islands; India (Chilka Lake; Madras); Gulf of Manaar; Singapore; Indonesia (Celebes; Sumbawa); E-Australia (Queensland: Moreton Bay).

Depth range: littoral.

Habitat: it is common in littoral weed beds in Singapore and is apparently a free-living micropredator.

Host: Actinaria. - the anemone *Macrodictyla aspera* Haddon & Shackleton.

Remarks: tolerates low salinities.

Additional synonymy: *Periclimenes aesopius* in Johnson, 1961; *Periclimenes indica*; *Urocaris indica*.

***Periclimenes infraspinis* (Rathbun, 1902)**

- 1922 *Periclimenes (Periclimenes) infraspinis*, - Kemp, Rec. Indian Mus., 24: 143.
 1937 *Periclimenes (Periclimenes) infraspinis*, - Chace, Zoologica (NY), 22: 132.
 1951 *Periclimenes (Periclimenes) infraspinis*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 46-49, pl. 13, figs. a-l.
 1983 *Periclimenes (Periclimenes) infraspinis*, - Hendrickx, Wicksten & van der Heiden, Proc. biol. Soc. Wash., 96 (1):
 1983 *Periclimenes infraspinis*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 14.

Distribution: E-Pacific. - California; Mexico; Costa Rica; Galapagos Archipelago.

Depth range: 1- (rarely) 150m.

Habitat: sandy bottom, rocky bottom, or among weeds; it is free-living, but sometimes found associated with Antipatharia (black corals).

Additional synonymy: *Urocaris infraspina* Rathbun, 1902.

***Periclimenes inornatus* Kemp, 1922**

- 1922 *Periclimenes (Ancylocaris) inornatus* Kemp, Rec. Indian Mus., 24: 191-194, figs. 43-46.
 1968 *Periclimenes (Harpilius) inornatus*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 413-414, fig. 3g-h.
 1971 *Periclimenes inornatus*, - Bruce, Smiths. Contr. Zool., 82: 10.
 1974 *Periclimenes inornatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 477.
 1976 *Periclimenes inornatus*, - Bruce, Zool. J. Linn. Soc., 59: 103-106, figs. 10-11, 146.
 1976 *Periclimenes inornatus*, - Bruce, Zool. Verh., Leiden, 145: 11-12.
 1979 *Periclimenes inornatus*, - Bruce, Cah. Indo-Pac., 1 (2): 224.
 1980 *Periclimenes inornatus*, - Bruce, Pac. Sci., 34 (4): 390.
 1981 *Periclimenes inornatus*, - Bruce, Atoll. Res. Bull., 245: 17.
 1983 *Periclimenes inornatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
 1989 *Periclimenes aff. inornatus*, - Franssen, Netherlands J. Sea Res., 23 (2): 136, fig. 2a-k.
 1990 *Periclimenes inornatus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Zanzibar (Murugo reef); Kenya (Ras Iwatine; Wasin Is.; Watamu); Seychelles (Mahé: Cerf Island; Praslin, Baie St. Anne); Comores (Moroni); Maldives; Andaman Islands (Port Blair); South China Sea (North Danger Reef); Indonesia; Australia (Queensland: Heron Island); Fiji (Ndravuni, Great Astrolabe Reef); Palau Islands.

Depth range: 1-18m.

Habitat: coral reefs.

Host: Actinaria; Zoantharia; Scleractinia. - commonly associated with large sea anemones, but also on scleractinian corals. *Radianthus* sp., *Radianthus ritteri* (Kweitnowski), *Stoichactis* sp.

***Periclimenes insolitus* Bruce, 1974**

1974 *Periclimenes insolitus* Bruce, *Crustaceana*, 26 (3): 293-303, figs. 1-7.

1982 *Periclimenes insolitus*, - Bruce, *Mem. Austr. Mus.*, 16: 203.

Distribution: Hawaii (Oahu, Waikiki Beach).

Host: Echinodermata: Echinoidea. - *Pseudoboletina indiana* (Michelin), Toxopneustidae.

***Periclimenes investigatoris* Kemp, 1922**

1922 *Periclimenes (Periclimenes) investigatoris* Kemp, *Rec. Indian Mus.*, 24: 160-162, figs. 26-27, pl. V, fig. 6.

1976 *Periclimenes investigatoris*, - Johnson, *J. Mar. Biol. Ass. India*, 18 (1): 33

1983 *Periclimenes investigatoris*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 208.

1990 *Periclimenes investigatoris*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Arabian Gulf; Persian Gulf; Singapore; Malaysia (Perhentian Islands); Australia (Queensland).

Depth range: 6-24m.

Host: Alcyonaria. - associated with nephthyid alcyonaceans; *Solenocaulon* sp.

***Periclimenes ischiopinosus* Bruce, 1991**

1990 *Periclimenes ischiopinosus*, - Bruce, *The Beagle*, 7 (2): 18, tab. 2.

1991 *Periclimenes ischiopinosus* Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 240-246, figs. 3b, 9-12.

Distribution: New Caledonia.

Depth range: 50m.

***Periclimenes johnsoni* Bruce, 1987**

1961 *Periclimenes (Harpilius) calmani*, - Johnson, *Bull. natn. Mus.*, Singapore,

30: 59.

- 1976 *Periclimenes calmani*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
 1987 *Periclimenes johnsoni* Bruce, Indo-Malayan Zool., 4: 115-125, figs. 1-5.

Distribution: Singapore.
 Depth range: shallow water.
 Habitat: *Enhalus* beds.

***Periclimenes jugalis* Holthuis, 1952**

- 1952 *Periclimenes (Harpilius) jugalis* Holthuis, Siboga Exped., 39 (a10) (11): 67-69, fig. 26.
 1974 *Periclimenes jugalis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478.
 1990 *Periclimenes jugalis*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Zanzibar (Zanzibar Harbour); Indonesia (Aru Is.).
 Depth range: 13-20m.
 Habitat: pearl banks.
 Host: Alcyonaria. - the alcyonarian *Morchellana dollfusi* Tixier-Durivault.

***Periclimenes kempi* Bruce, 1969**

- 1969 *Periclimenes kempi* Bruce, Zool. Meded., 43 (20): 260-262.
 1974 *Periclimenes kempi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478.
 1976 *Periclimenes kempi*, - Bruce, Zool. Verh., Leiden, 145: 16.
 1979 *Periclimenes kempi*, - Bruce, Cah. Indo-Pac., 1 (2): 224-225.
 1981 *Periclimenes kempi*, - Bruce, Micronesica, 17 (1): 80-81, fig. 2.
 1981 *Periclimenes kempi*, - Bruce, Atoll. Res. Bull., 245: 17.
 1983 *Periclimenes kempi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 208.
 1990 *Periclimenes kempi*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea (Egypt: Hurghada; Ghardaqua); Zanzibar (Chukwani); Kenya (Malindi; Watamu); Andaman Islands; Singapore (Pulau Sudong); Australia (Great Barrier Reef: Heron Island).
 Depth range: 0.5-2m.
 Habitat: reef flat pools and lagoons of coral reefs.
 Host: Gorgonaria; Alcyonaria. - *Limnalia*; *Macrospicularia*; *Nephthea*; *Rumphella aggregata* (Nutting) (Gorgonacea); *Sinularia* sp. (Alcyonacea); probably *Sarcophyton* sp.; *Sarcophyton elegans* Moser; *Microspicularia pachycladus*.

***Periclimenes kororensis* Bruce, 1977**

- 1977 *Periclimenes kororensis* Bruce, Micronesica, 13 (1): 33-42, figs. 1-4.
 1977 *Periclimenes kororensis*, - Bruce, Atoll Res. Bull, 205: 5.
 1983 *Periclimenes kororensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1984 *Periclimenes kororensis*, - Bruce, Asian Mar. Biol., 1: 94-96, figs. 5-6.
 1990 *Periclimenes kororensis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Philippines (Cebu); Australia (Queensland: Broadhurst Reef); Palau Islands (Koror).

Depth range: 17m.

Habitat: coral reefs.

Host: Scleractinia. - *Heliofungia actiniformis* (Quoy & Gaimard, 1833) (Fungiidae).

Periclimenes laccadivensis (Alcock & Anderson, 1894)

1922 *Periclimenes laccadivensis*, - Kemp, Rec. Indian Mus., 24: 152-154, figs. 19-20.

1979 *Periclimenes laccadivensis*, - Bruce, Cah. Indo-Pac., 1 (2): 225.

1990 *Periclimenes laccadivensis*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 18, tab. 2.

1991 *Periclimenes laccadivensis*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 301-302, fig. 1.

1992 *Periclimenes laccadivensis*, - Bruce, Rec. Austr. Mus., 44: 69-72, fig. 20.

Distribution: Australia (off Cape Freycinet, Tasmania); Laccadive Sea; South China Sea; New Caledonia; Hawaii (off Kauai Island).

Depth range: 274-1285m.

Habitat: coarse shelly sand; muddy sand.

Host: possibly Gorgonaria.

Additional synonymy: *Palaemonella laccadivensis* Alcock & Anderson, 1894; *Palaemon (Brachycarpus) laccadivensis* Alcock, 1901.

Periclimenes lacertae Bruce, 1992

1992 *Periclimenes lacertae* Bruce, Rec. Austr. Mus., 44: 46-53, figs. 1-6; 53 [key to *P. grandis* group].

Distribution: Australia (Queensland: Chinaman's ridge, Mrs. Watson's Bay, Lizard Island).

Habitat: unknown, has been caught in traps.

Periclimenes lanipes Kemp, 1922

1922 *Periclimenes lanipes* Kemp, Rec. Indian Mus., 24: 156-158, pl. IV, fig. 4.

1971 *Periclimenes lanipes*, - Bruce, Smiths. Contr. Zool., 82: 9.

1971 *Periclimenes lanipes*, - Bruce, Zool. Verh., 114: 11-15, figs. 3, 4, 5c-d.

1973 *Periclimenes (Periclimenes) lanipes*, - Monod, Cah. Pac., 17: 9-10, figs. 14-23.

1974 *Periclimenes lanipes*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478.

1978 *Periclimenes lanipes*, - Bruce, Zool. J. Linn. Soc., 62: 228-230, fig. 11.

1979 *Periclimenes lanipes*, - Bruce, Cah. Indo-Pac., 1 (2): 225-226.

1981 *Periclimenes lanipes*, - Bruce, Atoll. Res. Bull., 245: 18.

1982 *Periclimenes lanipes*, - Bruce, Mem. Austr. Mus., 16: 202 [ophiuroid host records].

1983 *Periclimenes lanipes*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.

1990 *Periclimenes lanipes*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

1991 *Periclimenes lanipes*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 237.

1992 *Periclimenes lanipes*, - Bruce, Rec. Austr. Mus., 44: 77-78, fig. 24.

Distribution: Mergui Archipelago, Singapore Straits; Mergui Islands; Kenya (Wasin Is.); Somalia (Ras Binnah); Zanzibar (Fawatu reef; Prison Is.; Mazizini; Chume Is.; Murugo reef; Zanzibar Harbour; Bawi Is.; Chapani Is.); Mocambique Channel; Madagascar; Mergui Archipelago; northern South China Sea; Australia (Queensland: Double Island Point; Heron Island); New Caledonia (Canal Woodin, sud de Nouméa).

Depth range: 15-73m.

Habitat: coral reefs.

Host: Echinodermata: Ophiuroidea. - probably an obligate commensal of gorgonocephalid basket-stars; *Astroboa* sp., *Astroba nigra* Döderlein, *Astroba nuda* (Lyman), *Euryale aspera* *Euryale purpurea* Mortensen, *Astroglymna sculptum* (Döderlein).

Remarks: The species is the only Indo-West-Pacific pontoniid known as an associate of ophiuroid echinoderms.

***Periclimenes latipollex* Kemp, 1922**

1922 *Periclimenes latipollex* Kemp, Rec. Indian Mus., 24: 150-152, fig. 18, pl. IV, fig.3.

1952 *Periclimenes (Periclimenes) latipollex*, - Holthuis, Siboga Exped., 39 (a10) (11): 47-48, figs. 13-14.

1971 *Periclimenes latipollex*, - Bruce, Smiths. Contr. Zool., 82: 8.

1974 *Periclimenes latipollex*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478.

1981 *Periclimenes latipollex*, - Bruce, Mem. ORSTOM, 91: 195, fig. 3.

1990 *Periclimenes latipollex*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

1991 *Periclimenes latipollex*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 309-310, fig. 6.

Distribution: Somalia (Ras Hafun); North Kenya Banks; Indonesia; Kei Islands; Mergui Archipelago; Philippines (off Lubang).

Depth range: 78-304m.

Habitat: grey clay.

Host: Gorgonaria. - *Acanthogorgia flabellum* Hickson.

***Periclimenes lepidus* Bruce, 1978**

1974 *Periclimenes lepidus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478 [nomen nudum].

1978 *Periclimenes lepidus* Bruce, Zool. J. Linn. Soc., 62: 244-252, figs. 20-24.

Distribution: Kenya (Mombasa Harbour); Madagascar (near Nosy Bé).

Depth range: 30-40m.

Host: Alcyonaria; Antipatharia. - associated with *Morchellana gilva* (Henderson) (Nephtheidae; Alcyonacea) and another unidentified antipatharian species.

***Periclimenes leptodactylus* Bruce, 1991**

1991 *Periclimenes leptodactylus* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 338-344, figs. 26-30.

Distribution: Loyalty Islands.
Depth range: 825-370m.

***Periclimenes leptopus* Kemp, 1922**

1922 *Periclimenes (Ancylocaris) leptopus* Kemp, Rec. Indian Mus., 24: 173-176, figs. 31-33.

1977 *Periclimenes leptopus*, - Bruce, Crustaceana, 33 (3): 270-271, fig. 4.

Distribution: Andaman Islands (Brigade Creek, Port Blair);
Madagascar (Baie d'Ambaro).
Habitat: muddy sand.

***Periclimenes longicarpus* Bruce & Svoboda, 1983**

1983 *Periclimenes longicarpus* Bruce & Svoboda, Zool. Verh., 205: 13-24, figs. 4-8; 24, comparison with *P. holthuisi*.

Distribution: Red Sea (Aqaba, Jordan).
Depth range: 15-30m.
Habitat: coral reef environments.

Host: Actinaria. - *Entacmea quadricolor* Ehrenberg;
Heteractis aurora (Quoy & Gaimard, 1833); *Megalactis hemprichi*
Ehrenberg, 1834.

***Periclimenes longimanus* (Dana, 1852)**

1852 *Anchistia longimana* Dana, U.S. Explor. Exped..., Crust. I.: 579, pl. XXXVII, fig. 6a-b.

1922 *Periclimenes (Ancylocaris) longimanus*, - Kemp, Rec. Indian Mus., 24: 224.

Distribution: unknown.
Additional synonymy: *Anchistia longimana* Dana, 1852;
Periclimenes (Falciger) longimanus Borradaile, 1917.

***Periclimenes longipes* (Stimpson, 1860)**

1860 *Urocaris longipes* Stimpson, Proc. Acad. Sci. Philadelphia: 39.

1922 *Periclimenes (Ancylocaris) longipes*, - Kemp, Rec. Indian Mus., 24: 173

Distribution: Japan.
Depth range: 37m.

Additional synonymy: *Urocaris longipes* Stimpson, 1860.

Periclimenes longirostris (Borradaile, 1915)

- 1917 *Palaemonella longirostris*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 323, 359, pl. 53, fig. 5.
 1958 *Periclimenes (Harpilius) longirostris*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 3-6, fig. 1.
 1974 *Periclimenes longirostris*, - Bruce, Crustaceana, 27 (2): 191-192.
 1974 *Periclimenes longirostris*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478.
 1976 *Periclimenes longirostris*, - Bruce, Zool. J. Linn. Soc., 59: 145.
 1977 *Periclimenes longirostris*, - Bruce, Rec. Austr. Mus., 31 (2): 46.
 1979 *Periclimenes longirostris*, - Bruce, Crustaceana, Suppl. 5: 216-218, fig. 2.
 1981 *Periclimenes longirostris*, - Bruce, Mem. ORSTOM, 91: 195-196, figs. 4, 18a-d.
 1983 *Periclimenes longirostris*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1990 *Periclimenes longirostris*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea (Eilat); Salomon Island in the Western Indian Ocean; Zanzibar (Chukwani); Seychelles (Isle of Farquhar); Maldives (Fadiffolu Atoll); Farquhar Atoll; Chagos Archipelago; Andaman Islands; Indonesia (Bali); Papua New-Guinea (Beagle Bay); Philippines (off Lubang); Australia (North East Cay, Herald Islands); Marshall Islands (Eniwetak Atoll).

Depth range: ?-17m.

Habitat: shallow coral reefs.

Remarks: Was found parasitised by bopyrid *Orophryxus shiinoi*.

Additional synonymy: *Periclimenes rotumanus* Nobili, 1899; *Periclimenes affinis* Borradaile, 1915.

Periclimenes lucasi Chace, 1937

- 1937 *Periclimenes lucasi* Chace, Zoologica (NY), 22: 133-135, fig. 8.
 1951 *Periclimenes (Periclimenes) lucasi*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 54-57, pl. 16, figs. a-k, pl. 19, figs. f-h.
 1983 *Periclimenes lucasi*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 14-15.

Distribution: E-Pacific. - Lower California to Panama.

Depth range: subtidally-90m.

Habitat: sandy and muddy bottoms; free living, but sometimes found on cerianthids.

Periclimenes lutescens (Dana, 1852)

- 1922 *Harpilius lutescens*, - Kemp, Rec. Indian Mus., 24: 235-237, figs. 72-73.
 1952 *Periclimenes (Harpilius) lutescens*, - Holthuis, Siboga Exped., 39 (a10) (11): 88-91, fig. 35.
 1958 *Periclimenes (Harpilius) lutescens*, - Holthuis, Bull. Sea Fish. Sta. Haifa,

- 17 (8/9): 9.
- 1961 *Periclimenes (Harpilius) cf. lutescens*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.
- 1966 *Periclimenes (Harpilius) lutescens*, - Patton, Crustaceana, 10: 275.
- 1971 *Periclimenes lutescens*, - Bruce, Smiths. Contr. Zool., 82: 5.
- 1974 *Periclimenes lutescens*, - Bruce, J. mar. biol. Ass. India, 16 (2): 478-479.
- 1976 *Periclimenes lutescens*, - Bruce, Zool. J. Linn. Soc., 59: 98-99, 145.
- 1976 *Periclimenes lutescens*, - Bruce, Zool. Verh., Leiden, 145: 6.
- 1977 *Periclimenes lutescens*, - Bruce, Rec. Austr. Mus., 31 (2): 41-42.
- 1977 *Periclimenes lutescens*, - Bruce, Atoll Res. Bull, 205: 3.
- 1978 *Periclimenes lutescens*, - Bruce, Zool. J. Linn. Soc., 62: 216-217.
- 1980 *Periclimenes lutescens*, - Bruce, Micronesica, 16 (2): 261-262, fig. 1a-d.
- 1981 *Periclimenes lutescens*, - Bruce, Atoll. Res. Bull., 245: 18.
- 1983 *Periclimenes lutescens*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 885.
- 1983 *Periclimenes lutescens*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
- 1990 *Periclimenes lutescens*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Red Sea (Tor, Ras Abu Somer, Yenbo, Suakin); Kenya (Watamu; Ras Iwatine; Wasin Is.; Jadini; Mombasa Old Port; Kiwetu; Shimoni; Bamburi; Howard Rocks; Wasin Channel); Zanzibar (Grave Is.; Migombani; Mazizini; Chukwani; Chango Is.; Murogo reef; Pange reef; Nyange reef; Mangapwani; Mwemba Is.); Tanganyika (Maziwi Is.; Tutia reef; Mafia); Comores (Moroni, Grand Comore; Mayotte); Seychelles (Praslin, Baie St. Anne); Madagascar (Banc Tethys, Nosy Bé); Singapore (Raffles Light); Indonesia; Australia (Gillet Cay, Swains Reef; Restoration Rock, Heron Island; Wistari Reef); Solomon Islands (Uendara, Honiara); Tonga (Tongatabu); French Polynesia (Tahiti).

Depth range: shallow subtidal to 6m.

Habitat: coral reefs; often in fringing lagoons or on patch reefs.

Host: Scleractinia. - normally associated with *Acropora* sp. (several records in Bruce, 1977, Atoll Res. Bull.); unusually with *Seriatopora hystrix* (Dana). *Acropora tubicinaria* (Dana); *A. convexa* (Dana), *Acropora kenti* (Brook) and *Acropora paniculata* Verrill; *Pocillopora hemprichi* (Ehrenberg).

Remarks: Was found infested by bopyrid *Orophryxus shiinoi* (Isopoda, Bopyridae).

Additional synonymy: *Harpilius lutescens* Dana, 1852; *Harpilius consobrinus* de Man, 1902.

***Periclimenes macrophthalmus* Fujino & Miyake, 1970**

- 1970 *Periclimenes macrophthalmus* Fujino & Miyake, J. Fac. Agric., Kyushu Univ., 16 (3): 250-255, figs. 3-5.
- 1991 *Periclimenes macrophthalmus*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 402, tab. 1.

Distribution: E-Asia.

Depth range: 145m.

***Periclimenes madreporae* Bruce, 1969**

- 1966 *Periclimenes (Harpilius) inornatus*, - Patton, *Crustaceana*, 10: 274-275, fig. 2.
 1969 *Periclimenes madreporae* Bruce, *Zool. Meded.*, 43 (20): 262-263.
 1977 *Periclimenes madreporae*, - Bruce, *Atoll Res. Bull.*, 205: 4.
 1980 *Periclimenes madreporae*, - Bruce, *Micronesica*, 16 (2): 265-267, fig. 2a-f.
 1981 *Periclimenes madreporae*, - Bruce, *Atoll. Res. Bull.*, 245: 18.
 1983 *Periclimenes madreporae*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 209.
 1985 *Periclimenes madreporae*, - Bruce, *The Beagle*, 1 (14): 125.
 1990 *Periclimenes madreporae*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Australia (Queensland: Great Barrier Reef; Erskine Island; Willis Island; Bet Reef; Restoration Rock; Heron Island; Wistari Reef; Myora, Moreton Bay); Lord Howe Island (Erscott's Hole); Solomon Islands (Uendara, Honiara); La Réunion.

Depth range: 3-4m.

Habitat: coral reefs.

Host: Scleractinia. - commensal with a wide variety of Great Barrier Reef corals; *Pocillopora damicornis* (L.), *Pocillopora verrucosa* (Ellis & Solander); *Seriatopora hystrix* (Dana); *Stylophora mordax* (Dana), *S. pistillata* (Esper.); *Acropora corymbosa* (Lam.), *Acropora cuneata* (Dana), *Acropora digitifera* (Dana), *Acropora nasuta* (Dana), *Acropora rotumana* (Gardiner); *Turbinaria* sp.

Additional synonymy: *Periclimenes inornatus*, in Patton, 1966.

***Periclimenes magnificus* Bruce, 1979**

- 1979 *Periclimenes magnificus* Bruce, *Crustaceana*, Suppl. 5: 195-207, figs. 1-5, pl. 1A-C.
 1981 *Periclimenes magnificus*, - Bruce, *Atoll. Res. Bull.*, 245: 18.
 1983 *Periclimenes magnificus*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 209.
 1984 *Periclimenes magnificus*, - Bruce, *Asian Mar. Biol.*, 1: 96-97.
 1989 *Periclimenes magnificus*, - Franssen, *Netherlands J. Sea Res.*, 23 (2): 143-144, figs. 4b-c, 5e-g, 6i-m, 7i-p, tabs. 4-5.
 1990 *Periclimenes magnificus*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Indonesia; Philippines (Cebu: Canbyan Island); Australia (Queensland: Capricorn Islands; Wistari Reef, Heron Island).

Depth range: 3-24m.

Habitat: various coral reef locations.

Host: Actinaria; Scleractinia. - *Catalaphyllia plicata* (Milne-Edwards & Haime); *Dofleinia armata* Wassileff; *Megalaspis* (Actiniidae); the coral *Fungia fragilis*.

Remarks: *P. holthuisi* and *magnificus* are considered sibling species.

***Periclimenes mahei* Bruce, 1969**

- 1969 *Periclimenes mahei* Bruce, Zool. Meded., 43 (20): 263-264.
 1971 *Periclimenes mahei*, - Bruce, Smiths. Contr. Zool., 82: 11.
 1974 *Periclimenes mahei*, - Bruce, J. mar. biol. Ass. India, 16 (2): 479.
 1976 *Periclimenes mahei*, - Bruce, Zool. J. Linn. Soc., 59: 108-110, fig. 14, 146.
 1977 *Periclimenes mahei*, - Bruce, Atoll Res. Bull, 205: 5.
 1990 *Periclimenes mahei*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 18, tab. 2.

Distribution: W-Australia (Point Quobba); Seychelles (Mahé: West Bay; Amirante Islands: Remire Island); Comores (Mayotte: Mounimeri Is.); Zanzibar (Matizini; Bawi Is.; Prison Is.; Murogo reef).

Depth range: 2-5.5m.

Habitat: coral reefs.

Host: Scleractinia. - *Pocillopora damicornis*"; *Pocillopora elongata* (Dana); *Seriatopora hystrix* (Dana), *Acropora corymbosa* (Lam.).

***Periclimenes maldivensis* Bruce, 1969**

- 1969 *Periclimenes maldivensis* Bruce, Zool. Meded., 43 (20): 264-265.
 1982 *Periclimenes maldivensis*, - Bruce, Mem. Austr. Mus., 16: 202.

Distribution: Maldives (Suvadiva Atoll).

Host: Echinodermata: Echinoidea. - undetermined echinoid.

***Periclimenes nilandensis* Borradaile, 1915**

- 1917 *Periclimenes (Falciger) nilandensis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 372, pl. 54, fig. 13.
 1922 *Periclimenes (Ancylocaris) nilandensis*, - Kemp, Rec. Indian Mus., 24: 172.
 1952 *Periclimenes (Harpilius) nilandensis*, - Holthuis, Siboga Exped., 39 (a10) (11): 58-60, fig. 22.
 1974 *Periclimenes nilandensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 479.
 1977 *Periclimenes nilandensis*, - Bruce, Crustaceana, 33 (3): 269.
 1978 *Periclimenes nilandensis*, - Bruce, Zool. J. Linn. Soc., 62: 222-227, figs. 8-9.
 1979 *Periclimenes nilandensis*, - Bruce, Cah. Indo-Pac., 1 (2): 226.
 1981 *Periclimenes nilandensis*, - Bruce, Atoll. Res. Bull., 245: 18.
 1983 *Periclimenes nilandensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1990 *Periclimenes nilandensis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-Pacific - Kenya (Mombasa Harbour); Zanzibar (Bawi Is.; Prison Is.; Zanzibar Harbour); Madagascar (Ambataloaka, Nosi Bé; Baie d'Ampasindava, Nosy Tanga); Maldives (South Nilandu Atoll); South China Sea; Indonesia (Sumbawa, Flores, Salamoke Islands); Australia (Heron Island, Great Barrier Reef).

Depth range: 3-55m.

Habitat: edges of coral reefs and mud bottoms with patches of coral sand; *Lithothamnion* bottoms.

Host: Gorgonaria; Antipatharia. - the gorgonians *Coelogorgonia palmosa* Milne-Edwards & Haime, *Melitheia*

albitincta Ridley; unidentified antipatharians. Hydroida. -
Lytocarpus philippinus.

***Periclimenes novaecaledoniae* Bruce, 1968**

- 1968 *Periclimenes novaecaledoniae* Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1157-1165, figs. 6-9.
1977 *Periclimenes ?novaecaledoniae*, - Bruce, Crustaceana, 33 (3): 272.
1980 *Periclimenes novaecaledoniae*, - Bruce, Cah. Indo-Pac., 2 (1): 8-10, fig. 4a-e.
1982 *Periclimenes novaecaledoniae*, - Bruce, Mem. Austr. Mus., 16: 197 [crinoid host record].
1990 *Periclimenes novaecaledoniae*, - Bruce, The Beagle, 7 (2): 18, tab. 2.
1991 *Periclimenes novaecaledoniae*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 237-238.

Distribution: ?Madagascar (Baie d'Ambaro); New Caledonia (Nouméa, Ilot Maitre; île Ouen, baie du Prony).
Depth range: 12-20m.
Habitat: muddy sand.
Host: Echinodermata: Crinoidea. - *Comanthus* sp.,
Tropiometra afra (Hartlaub).

***Periclimenes obscurus* Kemp 1922**

- 1922 *Periclimenes (Periclimenes) obscurus* Kemp, Rec. Indian Mus., 24: 144-146, figs. 14-15.
1974 *Periclimenes obscurus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 479.
1977 *Periclimenes obscurus*, - Bruce, Crustaceana, 33 (3): 271-272.

Distribution: Kenya (Port Tudor, Mombasa); Tanganyika (Maziwi Is.; Pangani; Fungu Tongoni; Tanga; Tanga Harbour); Zanzibar (Nyange reef; Mkokotoni; Kwale Is.; Bububu; Fumba; Zanzibar Harbour; Bawi Is.); Madagascar (Baie d'Ambaro); India (Madras Harbour).
Depth range: 20-51m.
Habitat: muddy sand.
Host: ?Porifera; ?Gorgonaria.

***Periclimenes ordinarius* Bruce, 1991**

- 1991 *Periclimenes ordinarius* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 344-351, figs. 31-35.

Distribution: New Caledonia.
Depth range: 260m.

***Periclimenes ornatellus* Bruce, 1979**

- 1979 *Periclimenes ornatellus* Bruce, Crustaceana, Suppl. 5: 219-226, figs. 4-6,

pl.1C-E.

- 1981 *Periclimenes ornatellus*, - Bruce, Atoll. Res. Bull., 245: 19.
 1983 *Periclimenes ornatellus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1989 *Periclimenes ornatellus*, - Fransen, Netherl. J. Sea Res., 23 (2): 137-138,
 fig. 3j [remarks].
 1990 *Periclimenes ornatellus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: W-Pacific - Australia (Queensland: Heron Island); Marshall Islands (Eniwetok Atoll).

Depth range: 1-2m.

Habitat: coral reefs.

Host: Actinaria. - *Radianthus malu* (Haddon & Sheckleton).

***Periclimenes ornatus* Bruce, 1969**

- 1969 *Periclimenes ornatus* Bruce, Zool. Meded., 43 (20): 266-267.
 1974 *Periclimenes ornatus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 479.
 1979 *Periclimenes ornatus*, - Bruce, Crustaceana, Suppl. 5: 218-219, fig. 3B, pl. 1 fig. B.
 1977 *Periclimenes ornatus*, - Suzuki & Hayashi, Publ. Seto mar. biol. Lab., 24 (1/3): 198, figs. 1e, 2e, pl. 2, fig. 2.
 1979 *Periclimenes ornatus*, - Bruce, Cah. Indo-Pac., 1 (2): 226-227.
 1979 *Periclimenes ornatus*, - Bruce, Crustaceana, Suppl. 5: 218-219, fig. 3B, pl. 1 fig. B.
 1981 *Periclimenes ornatus*, - Bruce, Atoll. Res. Bull., 245: 19.
 1982 *Periclimenes ornatus*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 252-255, figs. 11-12.
 1983 *Periclimenes ornatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1983 *Periclimenes ornatus*, - Bruce & Svoboda, Zool. Verh., 205: 12-13.
 1985 *Periclimenes ornatus*, - Bruce, The Beagle, 1 (14): 124-125.
 1989 *Periclimenes ornatus*, - Fransen, Netherlands J. Sea Res., 23 (2): 136-138, fig. 3a-i, tab. 3.
 1990 *Periclimenes ornatus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Red Sea (Aqaba, Jordan); Kenya (Port Tudor, Mombasa); Maldives; Indonesia; Hong Kong (north of Bate Head, Peng Chau); Australia (southern Great Barrier Reef); Lord Howe Island (Comet's Hole) Marshall Islands (Enewetak Atoll); Japan.

Depth range: shallow subtidal to moderate depths.

Habitat: muddy sand; coral reefs; lagoons.

Host: ?Porifera; ?Gorgonaria. Actinaria. - *Radianthus malu*; *Parascyonis actinostroides*; *Parascyonis maxima*; *Entacmea quadricolor* Ehrenberg; *Heteractis malu*; *Heterodactyla hemprichi* Ehrenberg.

***Periclimenes palauensis* Miyake & Fujino, 1968**

- 1968 *Periclimenes palauensis* Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 417-420, fig. 5.

Distribution: Palau Islands.

Depth range: shallow water.

Habitat: "was found living in the small pit at the base of a negro head on the coral reef" (Miyake & Fujino).

***Periclimenes paraparvus* Bruce, 1969**

1969 *Periclimenes paraparvus* Bruce, Zool. Meded., 43 (20): 267-268.

1979 *Periclimenes paraparvus*, - Bruce, Cah. Indo-Pac., 1 (2): 227.

Distribution: South China Sea.

Depth range: 84-88m.

Remarks: from the stomach contents of the fish *Nemipterus virgatus*.

***Periclimenes parasiticus* Borradaile, 1898**

1975 *Periclimenes parasiticus*, - Bruce, Crustaceana, 28 (3): 281-284, fig. 2
[remarks, synonymy].

1982 *Periclimenes parasiticus*, - Bruce, Mem. Austr. Mus., 16: 200.

Distribution: Papua New-Guinea (Milne Bay).

Host: *Linckia* sp. (Echinodermata: Asterozoa).

Remarks: probably conspecific with *P. soror*.

***Periclimenes parvispinatus* Bruce, 1990**

1990 *Periclimenes parvispinatus* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 154-160, figs. 3-6, 39d.

1990 *Periclimenes parvispinatus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: New Caledonia (W. Récif Jouan).

Depth range: 200m.

Remarks: ?Echinodermata. - probably an echinoderm associate.

***Periclimenes parvus* Borradaile, 1898**

1922 *Periclimenes (Periclimenes) parvus*, - Kemp, Rec. Indian Mus., 24: 149-150.

1952 *Periclimenes (Periclimenes) parvus*, - Holthuis, Siboga Exped., 39 (a10) (11): 40-43, figs. 9-10.

1961 *Periclimenes (Periclimenes) parvus*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.

1977 *Periclimenes parvus*, - Bruce, Atoll Res. Bull., 205: 3-4.

1990 *Periclimenes parvus*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: Singapore (Raffles Light); Indonesia (Makassar Strait; Borneo Bank); New Britain.

Depth range: low tide-22m.

Habitat: coral reefs.

***Periclimenes pectiniferus* Holthuis, 1952**

- 1952 *Periclimenes (Periclimenes) pectiniferus* Holthuis, Siboga Exped., 39 (a10) (11): 48-51, figs. 15-16.
 1977 *Periclimenes pectiniferus*, - Bruce, Crustaceana, 33 (2): 169-170, fig. 2.
 1982 *Periclimenes pectiniferus*, - Bruce, Mem. Austr. Mus., 16: 203.
 1983 *Periclimenes pectiniferus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 209.
 1990 *Periclimenes pectiniferus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - Indonesia (Kabala dua Island, Borneo Bank Makassar Strait); Australia (Queensland: 50 km east of Townsville).

Depth range: 22-35m.

Habitat: coral reefs.

Host: Echinodermata: Holothuroidea. - undermined holothurian.

***Periclimenes pectinipes* Bruce, 1991**

- 1991 *Periclimenes pectinipes* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 351-358, figs. 36-40, 75.

Distribution: New Caledonia (Norfolk Ridge)..

Depth range: 280m.

Host: Echinodermata: Ophiuroidea. - Probably *Gymnocrinus richeri* Bourseau, Ameziane & Roux, 1987.

***Periclimenes perlucidus* Bruce, 1969**

- 1969 *Periclimenes perlucidus* Bruce, Zool. Meded., 43 (20): 268-270.
 1978 *Periclimenes perlucidus*, - Bruce, Zool. J. Linn. Soc., 62: 230-237, figs. 12-15.
 1979 *Periclimenes perlucidus*, - Bruce, Cah. Indo-Pac., 1 (2): 227.

Distribution: northern South China Sea (Macclesfield Bank); northern Madagascar (Nosy Iranja; Nosy Bé; Tany-Kely).

Depth range: 79-81m.

Host: Alcyonaria; Gorgonaria. - *Roxasia speciosa* (Kükenthal), *Morchellana gilva* (Henderson) *M. nova* Tixier Durivault (Nephteidae; Alcyonacea); *Verrucella sanguinolenta* (Grey) (Coelenterata: Gorgonacea).

***Periclimenes perturbans* Bruce, 1978**

- 1978 *Periclimenes perturbans* Bruce, Zool. J. Linn. Soc., 62: 253-254, figs. 25-26.

Distribution: Madagascar (near Nosy Bé).

Depth range: 40m.

Host: Alcyonaria. - *Morchellana gilva* (Stimpson)

(Nephtheidae; Alcyonacea).

Periclimenes petitthouarsii (Audouin, 1825)

- 1825 *Palaemon petitthouarsii* Audouin, Descr. Egypte, ed. 1, Hist. nat. vol., 1 (4): 91.
- 1827 *Palaemon petitthouarsii*, - Audouin, Descr. Egypte, ed. 2 (22), atlas Crust., pl. 10, fig. 3.
- 1922 *Periclimenes (Ancylocaris) petitthouarsii*, - Kemp, Rec. Indian Mus., 24: 196.
- 1938 *Periclimenes grandis*, - Gurney, Sci. Rep. Great Barrier Reef Exped., 6: 16, figs. 54-60.
- 1952 *Periclimenes (Harpilius) petitthouarsii*, - Holthuis, Siboga Exped., 39 (a10) (11): 78-79.
- 1958 *Periclimenes (Harpilius) petitthouarsii*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 3.
- 1971 *Periclimenes petitthouarsi*, - Bruce, Smiths. Contr. Zool., 82: 4-5.
- 1974 *Periclimenes petitthouarsi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 479-480.
- 1976 *Periclimenes petitthouarsii*, - Bruce, Zool. Verh., Leiden, 145: 6.
- 1977 *Periclimenes petitthouarsii*, - Bruce, Crustaceana, 33 (3): 265.
- 1978 *Periclimenes petitthouarsi*, - Bruce, Zool. J. Linn. Soc., 62: 215-216, fig. 5.

Distribution: Red Sea (Gulf of Suez; Egypt; Sinai Peninsula); Gulf of Aden; Persian Gulf; Kenya (Casuarina Point, near Watamu; Malindi; Wasin Is.; Shimoni); Zanzibar (Chukwani; Unguja; Ukuu; Marumbi; Fungu Chawamba; Mangapwani; Murogo reef; Fungu Mapape; Chwaka); Tanganyika (Maziwi Is.); Kenya; Comores (Mayotte); Madagascar (Trois Frères, Ambataloaka, Nossi Bé).

Depth range: 0.4-30m.

Habitat: coral reefs; found on live and dead corals.

Host: Scleractinia; Hydrozoa. - *Seriatopora*; *Acropora*; *Seriatopora hystrix* (Dana); *Millepora* sp.

Remarks:

Additional synonymy: *Anchistia inaequimana* Heller, 1861; *Anchistia petitthouarsii*, in Paulson, 1875; *Periclimenes (Falciger) petitthouarsi*, in Borradaile, 1917.

Periclimenes pholeter Holthuis, 1973

- 1973 *Periclimenes pholeter* Holthuis, Zool. Verh., 128: 30-35, figs. 10-11, pl. I, fig. 1.
- 1992 *Periclimenes pholeter*, - Bruce, Rec. Austr. Mus., 44: 74-77, figs. 22-23.

Distribution: Sinai Peninsula (Ras Muhammed Crack); Seychelles (Aldabra Atoll); Fiji Islands (Vanua Levu, Naweni Point).

Habitat: in an anchialine pool near a mangrove swamp.

Periclimenes pilipes Bruce & Zmarzly, 1983

1984 *Periclimenes pilipes* Bruce & Zmarzly, J. Crust. Biol., 3 (4): 644-654, figs. 1-5.

1989 *Periclimenes pilipes*, - Bruce, Asian Mar. Biol., 6: 177-178, fig. 3A.

Distribution: Philippines (Cebu: Moalboal); Marshall Islands (Enewetak Atoll).

Depth range: 3-22m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - *Comanthina schlegeli* (P.H. Carpenter); generally as one heterosexual pair on each host.

***Periclimenes platycheles* Holthuis, 1952**

1952 *Periclimenes (Harpilius) platycheles* Holthuis, Siboga Exped., 39 (a10) (11): 85-87, fig. 33.

1968 *Periclimenes (Harpilius) platycheles*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 409-410, fig. 3c-f.

1983 *Periclimenes platycheles*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.

1990 *Periclimenes platycheles*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

1992 *Periclimenes platycheles*, - Bruce, Rec. Austr. Mus., 44: 62-64, fig. 15.

Distribution: Australia (Queensland: between Palfrey and South Islands, Lizard Island; off Eagle Island, Lizard Island); Indonesia (Moluccas: Fau Island, Gebe Island); Papua New-Guinea (Irian Jaya: Atiationin); Palau Islands; Caroline Islands.

Depth range: 9-57m.

Habitat: coral reefs.

Host: Scleractinia. - "on *Acropora* sp."

Parasites: *Metaphryxus intutus* Bruce (Isopoda, Bopyridae), a lateral abdominal hemiarthrinid parasite of this species.

***Periclimenes platyrhynchus* Bruce, 1991**

1991 *Periclimenes platyrhynchus* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 358-364, figs. 41-44.

Distribution: New Caledonia.

Depth range: 260m.

***Periclimenes potina* Nobili, 1905**

1906 *Periclimenes potina*, - Nobili, Bull. Sci. Fr. Belg., XL: 44, pl. III, fig. 8.

1922 *Periclimenes (Ancylocaris) potina*, - Kemp, Rec. Indian Mus., 24: 184-185.

Distribution: Persian Gulf.

Habitat: floating brown algae.

***Periclimenes poupini* Bruce, 1989**

- 1989 *Periclimenes poupini* Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér, 11, sec. A, no. 4: 851-861, figs. 1-5, 6A.

Distribution: French Polynesia (Rapa, Tubuai, Gambier).
Depth range: 430-560m.
Host: Actinaria. - unidentified anemone.

***Periclimenes priodactylus* Bruce, 1992**

- 1992 *Periclimenes priodactylus* Bruce, Rec. Austr. Mus., 44: 53-59, figs. 1, 7-11.

Distribution: Australia (Queensland: Lizard Island, northern entrance to Blue Lagoon).
Depth range: 3.5m.
Habitat: unknown, caught in traps.

***Periclimenes proximus* Kemp, 1922**

- 1922 *Periclimenes (Ancylocaris) proximus* Kemp, Rec. Indian Mus., 24: 201-204, figs. 51-53.

Distribution: Pakistan; Andaman Islands; Papua New-Guinea; Ross Channel.

***Periclimenes psamathe* (De Man, 1902)**

- 1917 *Urocaris psamathe*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 354, pl. 53, fig. 3.
1922 *Periclimenes (Ancylocaris) psamathe*, - Kemp, Rec. Indian Mus., 24: 173.
1952 *Periclimenes (Harpilius) psamathe*, - Holthuis, Siboga Exped., 39 (a10) (11): 61, fig. 23.
1970 *Periclimenes psamathe*, - Bruce, J. Zool., Lond., 160: 541-543, fig. 3.
1974 *Periclimenes psamathe*, - Bruce, J. mar. biol. Ass. India, 16 (2): 480.
1976 *Periclimenes psamathe*, - Bruce, Zool. Verh., Leiden, 145: 10.
1976 *Periclimenes psamathe*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
1976 *Periclimenes (Harpilius) psamathe*, - Monod, Cah. Pac., 19: 14-22, figs. 1-28.
1977 *Periclimenes psamathe*, - Bruce, Crustaceana, 33 (3): 267-268, fig. 2.
1978 *Periclimenes psamathe*, - Bruce, Zool. J. Linn. Soc., 62: 218-221, fig. 7.
1979 *Periclimenes psamathe*, - Bruce, Cah. Indo-Pac., 1 (2): 227-228.
1981 *Periclimenes psamathe*, - Bruce, Atoll. Res. Bull., 245: 19.
1983 *Periclimenes psamathe*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
1984 *Periclimenes psamathe*, - Bruce, Asian Mar. Biol., 1: 94.
1990 *Periclimenes psamathe*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.
1991 *Periclimenes psamathe*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 238, figs. 1a, 3a.

Distribution: Indo-Pacific - Kenya (Malindi; Watamu; Mombasa Harbour); Zanzibar (off Bumbwini; Prison Is.; Bawi Is.; Zantibar Harbour); Tanganyika (Mafia Is.); Madagascar (Baie

d'Ambaro; Nosy Bé; Baie d'Ampasindava, Nosy Tanga); Maldives; Chagos Archipelago; South China Sea; Malaysia (off Perhentian Islands, Trengannu); Indonesia (Ambon, Ternate); between Misol and Papua New-Guinea; Australia (Queensland: Heron Island); Philippines (Cebu); Japan; New Caledonia (Nouméa; île Ouen, baie du Prony; Grand Récif Sud; Lagon Est; îlot Maître); Marshall Islands; Palau Islands.

Depth range: 0-84m.

Habitat: coral reefs; muddy sand bottoms; rock overhangs; piers.

Host: Antipatharia; Hydrozoa; Gorgonaria. - in association with gorgonians: *Mopsella ellisi* Hickson; *Morchellana gilva* (Henderson) (Nephteidae, Gorgonacea), *Acalycigorgia densiflora* (Kükenthal & Gorzansky) (Acanthogorgiidae); *Coelogorgia palmosa* Milne-Edwards & Haime; *Antipathes* aff. *plana* Cooper, *Spongioderma chuni* Kükenthal; 1 juv. from *Aglaophenia* sp.; also from *Lytocarpus philippinus* (Hydroida).

Additional synonymy: Figured as *P. aesopius* by Bruce (1966, figs. 3b, 4e, f).

***Periclimenes pusillus* Rathbun, 1906**

1906 *Periclimenes pusillus* Rathbun, Bull. U.S. Fish. Comm., 23 (3): 921, fig. 71.
1922 *Periclimenes (Ancylocaris) pusillus*, - Kemp, Rec. Indian Mus., 24: 195.

Distribution: Hawaii (Oahu).

***Periclimenes rapanui* Fransen, 1987**

1987 *Periclimenes rapanui* Fransen, Zool. Meded., 61 (35): 519-525, figs. 13-15.

Distribution: Chile (Easter Island: Tahai; off Hango Rao).

Depth range: 30-39m.

Habitat: dead corals.

***Periclimenes rectirostris* Bruce, 1981**

1981 *Periclimenes rectirostris* Bruce, Mem. ORSTOM, 91: 204-211, figs. 12-15.

1991 *Periclimenes rectirostris*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 313-313, figs. 73-74.

Distribution: Philippines (off Lubang); Chesterfield Islands.

Depth range: 129-330m.

Host: ?Echinodermata: Echinoidea: probably associated with *Eremopyga denudata* (De Meiger).

***Periclimenes rex* Kemp, 1922**

1922 *Periclimenes (Periclimenes) rex* Kemp, Rec. Indian Mus., 24: 158-160, pl. 5, fig. 5.

1978 *Periclimenes rex*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].

1982 *Periclimenes rex*, - Bruce, Mem. Austr. Mus., 16: 203 [holothurian host records].

Distribution: Madagascar (Tulear); Andaman Islands (Port Blair); Mozambique.

Depth range: 15m.

Host: Actinaria; Echinodermata: Holothuroidea; ?Asteroidea. - commensal with holothurians, actinians and ?asteroids: Echinodermata, Holothuroidea. - *Thelenota ananas* (Jaeger); *Synapta maculata* (Chamisso & Eysenhardt).

***Periclimenes richeri* Bruce, 1990**

1990 *Periclimenes richeri* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 181-183, figs. 20, 39f.

1990 *Periclimenes richeri*, - Bruce, The Beagle, 7 (2): 18, tab. 2.

Distribution: New Caledonia.

Depth range: 527m.

***Periclimenes ruber* Bruce, 1982**

1982 *Periclimenes ruber* Bruce, Mem. Austr. Mus., 16: 197-200, figs. 3-5, 8f.

1983 *Periclimenes ruber*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.

1990 *Periclimenes ruber*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: E-Australia (Queensland: Bribie Passage, Pumicestone Channel).

Depth range: 8m.

Host: Echinodermata: Crinoidea. - *Zygometra microdiscus* (Bell).

***Periclimenes setirostris* Bruce, 1991**

1991 *Periclimenes setirostris* Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 364-370, figs. 45-49.

Distribution: Chesterfield Islands.

Depth range: 300m.

***Periclimenes setoensis* Fujino & Miyake, 1969**

1969 *Periclimenes setoensis* Fujino & Miyake, Publ. Seto Mar. Biol. Lab., 17 (3): 149-154, figs. 4-5.

Distribution: Japan (Tanabe Bay, Wakayama Pref.).

Depth range: 5m.

***Periclimenes seychellensis* Borradaile, 1915**

- 1917 *Periclimenes (Falciger) seychellensis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 375, pl. 54, 55, figs. 14a-i.
- 1922 *Periclimenes (Ancylocaris) seychellensis*, - Kemp, Rec. Indian Mus., 24: 176-178, fig. 34, pl. VI, fig. 7.
- 1952 *Periclimenes (Harpilius) seychellensis*, - Holthuis, Siboga Exped., 39 (a10) (11): 66-67, fig. 25.
- 1958 *Periclimenes (Harpilius) seychellensis*, - Barnard, Mem. Mus. Dr. Alvaro de Castro, 4: 17, fig. 5.
- 1961 *Periclimenes (Harpilius) seychellensis*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.
- 1967 *Periclimenes (Harpilius) seychellensis*, - Ledoyer, Rec. trav. sta. mar. d'Endoume-Marseille, suppl. 8: 68-69, pl. 3, figs. 1B-10B, pl. 15C.
- 1970 *Periclimenes (Harpilius) seychellensis*, - Ledoyer, Ann. Univ. Madagascar, 7: 123, pls. 3, 15C.
- 1971 *Periclimenes seychellensis*, - Bruce, Smiths. Contr. Zool., 82: 8.
- 1974 *Periclimenes seychellensis*, - Bruce, Crustaceana, 27 (2): 192.
- 1974 *Periclimenes seychellensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 480.
- 1976 *Periclimenes seychellensis*, - Bruce, Zool. J. Linn. Soc., 59: 146.
- 1976 *Periclimenes seychellensis*, - Bruce, Zool. Verh., Leiden, 145: 11.
- 1978 *Periclimenes seychellensis*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
- 1978 *Periclimenes seychellensis*, - Holthuis, Zool. Verh., 162: 49.
- 1979 *Periclimenes seychellensis*, - Bruce, Cah. Indo-Pac., 1 (2): 228.
- 1981 *Periclimenes seychellensis*, - Bruce, Atoll. Res. Bull., 245: 19.
- 1981 *Periclimenes seychellensis*, - Bruce, Micronesica, 17 (1): 83-85, figs. 4-5.
- 1983 *Periclimenes seychellensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
- 1984 *Periclimenes seychellensis*, - Ledoyer, Zool. Verh., Leiden, 211: 33, fig. 14.
- 1990 *Periclimenes seychellensis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.
- 1991 *Periclimenes seychellensis*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 238-240, fig. 8.

Distribution: Indo-Pacific - Red Sea, Gulf of Suez; Seychelles (Mahé: Port Victoria; Praslin: Anse Étoile); Farquhar Atoll; Kenya (Kisiti Island; Watamu; Malindi; Ras Iwatine); Zanzibar (Chukwani; Mazizini; Bawi Is.); Tanganyika (Fungu Tongoni; Tanga); Mocambique; Pakistan; Madagascar (Tuléar); Sri Lanka; Gulf of Manaar; Bay of Bengal; Andaman Islands; Singapore (Pulau Hantu); Indonesia (Lesser Sunda Islands. - Sumba: seashore near Melolo); Philippines (Sipankot, near Sibutu, Sulu Archipelago); Papua New-Guinea; Australia (Queensland: Heron Island); Japan; New Caledonia (Grand Récif Sud); Fiji (Viti Levu, Naviti, Mana Island); Marshall Islands (Eniwetak Atoll).

Depth range: 0.5-1m.

Habitat: common in lagoon reefs, *Sargassum*, *Enhalus*, *Turbinaria* or *Cymodocea* beds; also among floating brown algae on high sea.

Host: ?Porifera. - *Haliclona* sp.

Remarks: is a free-living micropredator.

Additional synonymy: *Periclimenes ensifrons* Nobili, 1899; *Periclimenes tenuipes* Nobili, 1899.

Periclimenes sibogae Holthuis, 1952

1952 *Periclimenes (Harpilius) sibogae* Holthuis, Siboga Exped., 39 (a10) (11): 73-76, figs. 28-29.

1990 *Periclimenes sibogae*, - Bruce, The Beagle, 7 (2): 19, tab. 2.

Distribution: Indonesia (Moluccas).

Depth range: 9-36m.

Habitat: black sand bottom and coral; *Lithothamnion* bottom.

Periclimenes sinensis Bruce, 1969

1969 *Periclimenes sinensis* Bruce, Zool. Meded., 43 (20): 270-272.

1979 *Periclimenes sinensis*, - Bruce, Cah. Indo-Pac., 1 (2): 228.

1982 *Periclimenes sinensis*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 255-258, figs. 13-14.

Distribution: Hong Kong; Japan.

Host: Alcyonaria. - *Morchellana planoregularis* (Burchardt).

Periclimenes soror Nobili, 1904

1917 *Periclimenes (Cristiger) frater*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 364, pl. 53, fig. 6.

1922 *Periclimenes (Periclimenes) soror*, - Kemp, Rec. Indian Mus., 24: 165-166.

1952 *Periclimenes (Periclimenes) soror*, - Holthuis, Siboga Exped., 39 (a10) (11): 51-53, fig. 17.

1959 *Periclimenes (Periclimenes) soror*, - Holthuis, Zool. Meded., 36 (11): 104-195.

1968 *Periclimenes soror*, - Bruce, Bull. Mus. natn. Hist. nat., 2e Ser., 39 (6): 1167.

1971 *Periclimenes soror*, - Bruce, Smiths. Contr. Zool., 82: 8.

1971 *Periclimenes soror*, - Bruce, Zool. Verh., 114: 3-7, fig. 1, 5a-b.

1971 *Periclimenes soror*, - Castro, Pac. Sci., 25: 395-396.

1971 *Periclimenes (Periclimenes) soror*, - Monod, Tethys, Suppl. 1: 183, fig. 81.

1972 *Periclimenes soror*, - Bruce, Pac. Sci., 26: 68.

1973 *Periclimenes soror*, - Bruce, Crustaceana, 24: 135-136.

1974 *Periclimenes soror*, - Bruce, J. mar. biol. Ass. India, 16 (2): 480.

1975 *Periclimenes soror*, - Bruce, Crustaceana, 28 (3): 281-284, fig. 3 [remarks, synonymy].

1976 *Periclimenes soror*, - Bruce, Zool. J. Linn. Soc., 59: 145.

1976 *Periclimenes soror*, - Bruce, Zool. Verh., Leiden, 145: 10-11.

1977 *Periclimenes soror*, - Bruce, Crustaceana, 33 (2): 168-169.

1978 *Periclimenes soror*, - Bruce, Zool. J. Linn. Soc., 62: 221-222.

1978 *Periclimenes soror*, - Bruce, Tethys, 8 (4) (1976): 299-305, figs. 1-4, fig. 5 [size distribution], fig. 6 [geographic distribution].

1979 *Periclimenes soror*, - Bruce, Crustaceana, Suppl. 5: 213-216, fig. 3A.

1979 *Periclimenes soror*, - Bruce, Cah. Indo-Pac., 1 (2): 229.

1980 *Periclimenes soror*, - Bruce, Pac. Sci., 34 (4): 389.

- 1981 *Periclimenes soror*, - Bruce, Atoll. Res. Bull., 245: 19-20.
 1982 *Periclimenes soror*, - Bruce, Mem. Austr. Mus., 16: 200 [asteroid host records].
 1983 *Periclimenes soror*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 885-886.
 1983 *Periclimenes soror*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
 1983 *Periclimenes soror*, - Castro, An. Inst. Invest. Mar. Pt. Betin, 12: 11.
 1985 *Periclimenes soror*, - Wicksten & Hendrickx, Proc. biol. Soc. Wash., 98 (3): 571.
 1989 *Periclimenes soror*, - Bruce, Asian Mar. Biol., 6: 176-177, fig. 2.
 1990 *Periclimenes soror*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Red Sea (Jeddah); Gulf of Aden (Djibouti); Saudi Arabia (Jedah); Kenya (Mombasa, Andromache Reef, several records; Casuarina Point near Watamu; Malindi; Levben reef; Ras Iwatine; Kirwetu; Wasin Is.; Shimoni; Jadini; Kikambala); Zanzibar (Nyange reef; Pange Reef; Chango Is.; Migombani; Pawatu reef; Mazizini; Mangapwani; Danzi reef; Zanzibar Harbour; Pwakuu reef); Tanganyika (Maziwi Is.); Comores (Mayotte); Seychelles (Mahé: Anse la Mouche, Cerf Is); Aldabra Atoll); Madagascar (Tulear; Nosy Bé, Trois Frères); Mocambique; Chagos Archipelago (Egmont and Six Isles); Malaysia (Pulau Perhentian Besar; Sabah); Indonesia (Bali; Flores; Sumbawi Islands; Lesser Sunda Islands, Sulu Archipelago); Philippines (Bantayan Island: Santa Fé; Genu algal farm; Mactan Island: Maribago; Sumilon Islands) Australia (Queensland: Heron Island; Green Island; Fairfax Island; Chapman Island; Beaver Reef; W-Australia: Kendrew Island; Dampier Archipelago; New South Wales: Cuwatong); New Caledonia (Nouméa); Palau Islands; Marshall Islands (Eniwetok Atoll); Japan (Okinawa; Kushimoto); Guam; Marshall Islands (Eniwetok Atoll); New Britain (Rabaul; Bouganville Island); Fifi (Viti Levu: Sigatoka; Ndravuni, Great Astrolabe Reef); Hawaii (Waikiki; Oahu); French Polynesia (Society Archipelago: Tahiti; Tuamotu Archipelago: Mururoa); Gulf of California, Mexico; Gulf of Panamá (Tobaga Island); Colombia (Isla Gorgona).

Depth range: 0.5-35m.

Habitat: various coral reef locations; seagrass beds.

Host: Echinodermata: Asteroidea. - *Protoreaster lincki* (de Blainville) and *Protoreaster nodus* (L.)"; *Choriaster granulatus* Lütken; *Culcita novaeguinae* Müller & Troschel; *Culcita schmidelina* (Retzius); *Echinaster luzonicus*; *Echinaster purpureus* (Blainville), *Echinaster purpureus* (Gray); *Halityle regularis*; *Pharia pyramidata* (Gray); *Pentaceraster mammilatus* (Audouin); *Pentaceraster hawaiiensis* (Fischer); *Pentaceraster horridus* (Grey); *Pentaceraster mammillatus* (Audouin); *Pentaceraster regulus* (Müller & Tröschel); *Pentaceraster tuberculatus* (Müller & Troschel); *Acanthaster planci* (L.), *A. brevispina* Fisher; *Mithrodia bradleyi* Verrill; *Mithrodia clavigera* (Lamarck); *Linckia laevigata*; *Linckia multiflora* (Lam.) (Asteroidea, Echinodermata); in Panamá with oreasterid starfish *Oreaster occidentalis* Verrill; *Oreaster occidentalis* Verrill, *Nidorellia armata* (Gray) and *Astrometra sertulifera* Xantus.

Remarks: probably conspecific with *P. parasiticus*.

Additional synonymy: *Periclimenes* (*Cristiger*) *soror* Borradaile, 1917; *Periclimenes bicolor* Edmondson, 1935.

***Periclimenes spiniferus* De Man, 1902**

- 1902 *Periclimenes petitthouarsi* var. *spinifera* De Man, Abh. Senckenberg. naturforsch. Ges., 25 (3): 824.
- 1917 *Periclimenes* (*Falciger*) *spiniferus*, - Borradaile, Trans. Linn. Soc. Lond., 2, Zool. 17: 369, pls. I-II.
- 1922 *Periclimenes* (*Ancylocaris*) *spiniferus*, - Kemp, Rec. Indian Mus., 24: 195-196.
- 1952 *Periclimenes* (*Harpilius*) *spiniferus*, - Holthuis, Siboga Exped., 39 (a10) (11): 76-78, fig. 30.
- 1953 *Periclimenes* (*Harpilius*) *spiniferus*, - Holthuis, Atoll. Res. Bull., 24: 56.
- 1961 *Periclimenes* (*Harpilius*) *spiniferus*, - Johnson, Bull. natn. Mus., Singapore, 30: 58.
- 1967 *Periclimenes* (*Harpilius*) *spiniferus*, - Ledoyer, Rec. trav. sta. mar. d'Endoume-Marseille, suppl. 8: 69, pl. 4, figs. 1-8, pl. 15B.
- 1971 *Periclimenes spiniferus*, - Bruce, Smiths. Contr. Zool., 82: 7.
- 1972 *Periclimenes spiniferus*, - Bruce, Pac. Sci., 26: 67-68.
- 1974 *Periclimenes spiniferus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 480.
- 1976 *Periclimenes spiniferus*, - Bruce, Zool. J. Linn. Soc., 59: 95-97, figs. 5-6, 145.
- 1976 *Periclimenes spiniferus*, - Johnson, J. Mar. Biol. Ass. India, 18 (1): 33.
- 1978 *Periclimenes spiniferus*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
- 1979 *Periclimenes spiniferus*, - Bruce, Cah. Indo-Pac., 1 (2): 229.
- 1981 *Periclimenes spiniferus*, - Bruce, Micronesica, 17 (1): 79-80.
- 1981 *Periclimenes* (*Harpilius*) *spiniferus*, - Sastry, Rec. Zool. Surv. India, 79: 25-26, fig. 4.
- 1981 *Periclimenes spiniferus*, - Bruce, Atoll. Res. Bull., 245: 20.
- 1983 *Periclimenes spiniferus*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 886.
- 1983 *Periclimenes spiniferus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
- 1990 *Periclimenes spiniferus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Red Sea; Seychelles (Mahé, Port Victoria; Praslin, Curieuse Baie; Anse Royale and Cerf Island; Aldabra Atoll); Maldives; Chagos Archipelago; Kenya (Kikambala); Tanganyika (Tutia reef, Mafia; Maziwi Is.); Madagascar (Tuléar; Tamatave); Persian Gulf; Mergui Archipelago; Singapore (Pulau Hantu; Raffles Light); South China Sea (South West Cay, North Danger Reef); Malaysia off Perhentian Islands); Indonesia (Pulau Berhala, off Sumatra); Australia (Northwest Islet; Capricorn Island; Heron Island; Low Isles); Wake Island; Marianas Islands (Matuis Beach, NE Saipan; Lagoon west of Saipan); Marshall Islands (Arno Atoll, Ine village); French Polynesia (Society Islands: Tahiti; Tuamotu Archipelago); Fiji (Viti Levu: Naviti, Sigatoka).

Depth range: 0.5-34m.

Habitat: According to Bruce (1983) "a free-living species commonly found sheltering in coral colonies".

Host: Scleractinia; Hydrozoa. - *Acropora*, *Montipora* and *Seriatopora*; *Acropora leptocyathus* (Brook); *Millepora tenera* (Hydroida); *Pocillopora damicornis* and *Seriatopora hystrix*;

Pocillopora verrucosa (Ellis & Solander), *Acropora variabilis* Klunz. *Acropora squarrosa* (Ehrenberg) and *Pavona* sp."

Remarks: probably not an obligatory commensal. It is found usually on coral reefs, although not permanently associated with corals.

Additional synonymy: *Anchistina inaequimana* Heller, 1865; *Periclimenes petitthouarsii* in De Man, 1888; *Periclimenes petitthouarsi* var. *spinifera* De Man, 1902; *Periclimenes (Falciger) spiniferus* Borradaile, 1917; *Palaemonella tridentata* Nobili, 1899.

***Periclimenes suvadivensis* Borradaile, 1915**

1917 *Periclimenes (Falciger) suvadivensis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 375, pl. 55, fig. 16.

1922 *Periclimenes (Ancylocaris) suvadivensis*, - Kemp, Rec. Indian Mus., 24: 209.

1978 *Periclimenes suvadivensis*, - Bruce, Crustaceana, 34 (3): 264-266.

Distribution: Maldives (Suvadiva Atoll); Singapore (Changi; Bedok; Pulau Sudong).

Habitat: *Enhalus*.

***Periclimenes tenuipes* Borradaile, 1898**

1898 *Periclimenes tenuipes* Borradaile, in: Willey, A., Zoological results based on material from New Britain, New Guinea, Loyalty Islands and elsewhere..., 4: 406, pl. 36, fig. 2.

1917 *Periclimenes tenuipes*, - Trans. Linn. Soc. Lond., Zool. 17 (2): 324, 369 [key], 376, pl. 55.

1922 *Periclimenes (Ancylocaris) tenuipes*, - Kemp, Rec. Indian Mus., 24: 220-224, pl. VIII, fig. 11.

1952 *Periclimenes (Harpilius) tenuipes*, - Holthuis, Siboga Exped., 39 (a10) (11): 84-85.

1974 *Periclimenes tenuipes*, - Bruce, J. mar. biol. Ass. India, 16 (2): 480.

1976 *Periclimenes tenuipes*, - Bruce, Zool. J. Linn. Soc., 59: 145.

1977 *Periclimenes tenuipes*, - Bruce, Crustaceana, 33 (3): 266-267, fig. 1.

1978 *Periclimenes tenuipes*, - Bruce, Crustaceana, 34 (3): 261-264, figs. 6-7.

1979 *Periclimenes tenuipes*, - Bruce, Crustaceana, Suppl. 5: 209-211, fig. 1.

1981 *Periclimenes tenuipes*, - Bruce, Atoll. Res. Bull., 245: 20.

1983 *Periclimenes tenuipes*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.

1983 *Periclimenes tenuipes*, - Bruce & Svoboda, Zool. Verh., 205: 4-7, fig. 1.

1990 *Periclimenes tenuipes*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

1991 *Periclimenes tenuipes*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 240.

Distribution: Indo-Pacific - Red Sea (Aqaba, Jordan); Kenya (Port Jesus, Mombasa); Zanzibar (Bawi Is.; Pange reef); Madagascar (Pointe de la Fièvre, Baie d'Ambaro); Maldives; Seychelles (Mahé); La Réunion; Sri Lanka; Andaman Islands (Port Blair); Indonesia (East Java, Makassar, Banda and Timor); Australia (Queensland: Heron Island, Wistari Reef); New Britain (Ralun); New Caledonia (baie de St. Vincent; Grand Récif Sud;

Atoll de Surprise; Lagon Est); Palau Islands; Marshall Islands (Eniwetok Atoll).

Depth range: 0.2-80m.

Habitat: coral reefs; muddy sand; small caves; bottom with corals and stones; *Lithothamnion* bottom.

Host: Actinaria; Scleractinia. - "unidentified actinarian"; in association with the coral *Heliofungia actiniformis* (Quoy & Gaimard, 1833).

Additional synonymy: *Periclimenes borradailei* Rathbun, 1904; *Periclimenes (Falciger) borradailei* Borradaile, 1917; *Periclimenes (Falciger) kolumadulensis* Borradaile, 1915.

***Periclimenes tenuirostris* Bruce, 1990**

1990 *Periclimenes tenuirostris*, - Bruce, *The Beagle*, 7 (2): 19, tab. 2.

1991 *Periclimenes tenuirostris* Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 247-253, figs. 13-16.

1991 *Periclimenes tenuirostris*, - Bruce, *Mém. Mus. natn. Hist. nat.*, (A), 152: 315.

Distribution: New Caledonia (Grand Récif Sud; Lagon Est; Norfolk Ridge).

Depth range: 65-120m.

***Periclimenes tenuis* Bruce, 1969**

1969 *Periclimenes tenuis* Bruce, *Zool. Meded.*, 43 (20): 272-273.

1973 *Periclimenes tenuis*, - Fishelson, *J. mar. biol. Ass. India*, 15 (2): 467, fig. 4a.

1974 *Periclimenes tenuis*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 481.

1981 *Periclimenes tenuis*, - Bruce, *Atoll. Res. Bull.*, 245: 20.

1982 *Periclimenes tenuis*, - Bruce, *Mem. Austr. Mus.*, 16: 197 [crinoid host records].

1983 *Periclimenes tenuis*, - Bourdon, *Bull. Mus. natn. Hist. nat.*, Paris, 4e sér., 5, sec. A, no. 3: 865-867 [bopyrid parasite].

1983 *Periclimenes tenuis*, - Bruce, *Bull. Mus. natn. Hist. nat.*, Paris, 4e sér., 5, sec. A, 3: 886.

1990 *Periclimenes tenuis*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-West Pacific - Red Sea (Israel: Eilat); Zanzibar (Chukwani; Chumbe Is.; Nyange reef); Indonesia; Australia (Great Barrier Reef).

Depth range: 22-25m.

Habitat: coral reefs.

Host: Echinodermata: Crinoidea. - associated with crinoids of the families Himerometridae and Mariametridae. - *Oxymetra erinacea* (Hartlaub), *Himerometra magnipinna*; *Himerometra robustipinna* (P.H. Carpenter), *Lamprometra klunzingeri* (Hartlaub), *Decametra chadwicki* (A.H. Clark), *Heterometra savignyi* (J. Müller), *H. magnipinna*, *H. africana* (A.H. Clark), *Amphimetra tessellata* (J. Müller), *Tropiometra carinata* (Lamarck); *Heterometra carinata*.

***Periclimenes toloensis* Bruce, 1969**

- 1969 *Periclimenes toloensis* Bruce, Zool. Meded., 43 (20): 273-275.
 1974 *Periclimenes ? toloensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 481.
 1979 *Periclimenes toloensis*, - Bruce, Cah. Indo-Pac., 1 (2): 229-230.
 1981 *Periclimenes toloensis*, - Bruce, Atoll. Res. Bull., 245: 20-21.
 1982 *Periclimenes toloensis*, - Bruce, Proc. 1st Int. Mar. Biol. Workshop: The Marine Flora and Fauna of Hong Kong and Southern China, Hong Kong, 1980: 258-264, figs. 15-18.
 1983 *Periclimenes toloensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
 1990 *Periclimenes toloensis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 18, tab. 2.

Distribution: Indo-West Pacific - ?Zanzibar Channel; Hong Kong (off Ap Chau, Tolo Channel); Australia (Queensland: Heron Island, Wistari Reef); possibly Kenya and Zanzibar.

Depth range: 9-24m.

Habitat: coral reefs; muddy substrate with many gorgonians.

Host: Gorgonaria. - gorgonians; Hydroida. - *Lytocarpus philippinus*.

***Periclimenes tonga* Bruce, 1988**

- 1988 *Periclimenes tonga* Bruce, Micronesica, 21 (2): 23-31, figs. 1-5.

Distribution: Tonga.

Depth range: 5-15m.

Host: Scyphozoa. - associated with scyphozoan *Cossiopeia* sp.

***Periclimenes tosaensis* Kubo, 1951**

- 1951 *Periclimenes (Ancylocaris) tosaensis* Kubo, J. Tokyo Univ. Fish., 38 (2): 268-271, figs. 7-8, tab. 2.
 1966 *Periclimenes (Harpilius) tosaensis*, - Bruce, Crustaceana, 10: 15-21, figs. 1-4.
 1976 *Periclimenes tosaensis*, - Bruce, Zool. J. Linn. Soc., 59: 106-107, fig. 12, 146.
 1979 *Periclimenes tosaensis*, - Bruce, Cah. Indo-Pac., 1 (2): 230.
 1981 *Periclimenes tosaensis*, - Bruce, Mem. ORSTOM, 91: 196, fig. 5.

Distribution: Japan; northern South China Sea; Philippines; Seychelles (Mahé: Grand Anse Baie).

Depth range: 42-86m.

Habitat: sandy bottom.

***Periclimenes ungujaensis* Bruce, 1969**

- 1969 *Periclimenes ungujaensis* Bruce, Zool. Meded., 43 (20): 275-276.
 1974 *Periclimenes ungujaensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 481.

Distribution: Kenya (Mombasa Island); Zanzibar (Unguja Ukuu).

Depth range: shallow subtidal.

Habitat: *Cymodocea* beds on a seaward coral reef flat.

***Periclimenes uniunguiculatus* Bruce, 1990**

1990 *Periclimenes uniunguiculatus* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 167-174, figs. 12-15, 39e.

1990 *Periclimenes uniunguiculatus*, - Bruce, The Beagle, 7 (2): 19, tab. 2.

Distribution: New Caledonia.

Depth range: 540-600m.

Remarks: Parasite. - Isopoda, Bopyridae: *Filophryxus dorsalis* Bruce, 1972 (dorsal abdominal).

***Periclimenes vaubani* Bruce, 1990**

1990 *Periclimenes vaubani* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 174-181, figs. 16-19, 38a-d, 39g.

1990 *Periclimenes vaubani*, - Bruce, The Beagle, 7 (2): 19, tab. 2.

1991 *Periclimenes vaubani*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 315.

Distribution: New Caledonia.

Depth range: 445-650m.

Remarks: Parasite. - Isopoda, Bopyridae: *Eophryxus obesus* Markham (ventral abdominal).

***Periclimenes veleronis* Holthuis, 1951**

1951 *Periclimenes (Harpilius) veleronis*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 67-68, pl. 20, figs. a-h.

Distribution: Ecuador (off La Libertad).

Depth range: 7m.

Habitat: sand.

***Periclimenes venustus* Bruce, 1990**

1989 *Periclimenes venustus*, - Bruce, Asian Mar. Biol., 6: 178.

1990 *Periclimenes venustus* Bruce, Indo-Malayan Zool., 6 (1989): 229-242, figs. 1-6.

1990 *Periclimenes venustus*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 19, tab. 2.

Distribution: Australia (Port Essington, Cobourg Peninsula; Scott Reef, W-Australia); Philippines (Cebu: Nailon).

Depth range: 2.5-3m.

Habitat: coral reefs.

Host: Cnidaria: Actinaria. Scleractinia. - mainly found on unidentified anemones, but two samples from *Heliofungia actiniformis*.

***Periclimenes vitiensis* Borradaile, 1878**

- 1898 *Periclimenes vitiensis*, - Borradaile, Proc. Zool. Soc. London, 1898: 1005-1006, pl. LXIV, figs. 6-6b.
 1976 *Periclimenes vitiensis*, - Bruce, Zool. J. Linn. Soc., 59: 145.
 1978 *Periclimenes vitiensis*, - Bruce, Crustaceana, 34 (3): 266-268, fig. 9.

Distribution: Seychelles (Coetivy Is.); Fiji (Viti Levu).
 Additional synonymy: *Periclimenes (Falciger) vitiensis* Borradaile, 1917; *Periclimenes (Ancylocaris) vitiensis* Kemp, 1922.

***Periclimenes watamuae* Bruce, 1976**

- 1974 *Periclimenes watamuae*, - Bruce, J. mar. biol. Ass. India, 16 (2): 481.
 1976 *Periclimenes watamuae*, - Bruce, Zool. Verh., Leiden, 145: 16-20, figs. 5-6.

Distribution: Kenya (Watamu).
 Depth range: 2m.
 Host: unidentified Alcyonaria.

***Periclimenes yaldwyni* Holthuis, 1959**

- 1952 *Periclimenes (Harpilius) batei*, - Holthuis, Siboga Exped., 39 (a10) (11): 73.
 1959 *Periclimenes (Periclimenes) batei*, - Holthuis, Zool. Meded., 36 (11): 195-197, fig. 1.
 1984 *Periclimenes yaldwyni*, - Bruce & Cropp, Pac. Sci., 38 (3): 189-198, figs. 1-6.
 1990 *Periclimenes yaldwyni*, - Bruce, The Beagle, 7 (2): 12, 17, tab. 1, 19, tab. 2.

Distribution: Philippines; Australia (Mercury Passage, off Maria Island, Tasmania); New Zealand (Cook Strait; Tasman Bay; Otago Harbour, Middle Island).

Depth range: 16-28m.

Additional synonymy: *Brachycarpus audouini* Bate, 1888; *Periclimenes audouini* Kemp, 1925; *Periclimenes batei* Holthuis, 1950.

***Periclimenes zanzibaricus* Bruce, 1967**

- 1967 *Periclimenes zanzibaricus* Bruce, Zool. Verh., 87: 62-72, figs. 26-29.
 1971 *Periclimenes zanzibaricus*, - Bruce, Smiths. Contr. Zool., 82: 11.
 1974 *Periclimenes zanzibaricus*, - Bruce, J. mar. biol. Ass. India, 16 (2): 481.
 1976 *Periclimenes zanzibaricus*, - Bruce, Zool. J. Linn. Soc., 59: 107-108, fig. 13, 146.

- 1976 *Periclimenes zanzibaricus*, - Bruce, Zool. Verh., Leiden, 145: 16.
 1982 *Periclimenes zanzibaricus*, - Bruce, Mem. Austr. Mus., 16: 202-203 [echinoid host records].
 1983 *Periclimenes zanzibaricus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 210.
 1990 *Periclimenes zanzibaricus*, - Bruce, The Beagle, 7 (2): 17, tab. 1.

Distribution: Indo-West Pacific - Kenya (Casuarina Point near Watamu; Malindi; Ras Iwatine; Andromanche reef; Jadini; Mombasa Old Fort; Kikambala); Zanzibar (Mazizini; Nyange reef; Chumbe Is.; Mtoni; Fawatu Reef; Pange Reef); Seychelles (Mahé: Victoria Harbour; Praslin: Baie St. Anne, Curieuse Baie); W-W-Australia (Geraldton).

Depth range: 4-6m.

Habitat: shallow water patch reefs; fringing reef lagoons.

Host: Echinodermata: Echinoidea. - an associate of diademid echinoids in the Indian Ocean; *Echinothrix calamaris* (Pallas), *Diadema savignyi* (Michelin), *Diadema setosum* (Leske), *Astropyga radiata* (Leske), *Centrostephanus tenuispinis* H.L. Clark.

***Periclimenoides* Bruce, 1990**

- 1990 *Periclimenoides* Bruce, in: Morton, B. (ed.): The marine flora and fauna of Hong Kong and Southern China, 2, vol. 2. Hong Kong Univ. Press: 616 [diagnosis].

***Periclimenoides odontodactylus* (Fujino & Miyake, 1968)**

- 1968 *Periclimenoides odontodactylus* Fujino & Miyake, Ohmu, 1 (3): 85-90, figs. 1-2.
 1983 *Periclimenoides odontodactylus*, - Bruce, Austr. Mus. Sydney, Mem., 18:
 1990 *Periclimenoides odontodactylus*, - Bruce, The Beagle, 7 (2): 12-13, 17, tab. 1, 19, tab. 2.

Distribution: Japan; Philippines; Hong Kong; Australia (Queensland: Heron Island; Wistari Reef).

Depth range: 11-20m.

Host: Porifera. - *Ircinia fasciculata* (Pallas).

***Philarius* Holthuis, 1952**

- 1952 *Philarius* Holthuis, Siboga Exped., 39 (a10) (11): 151-152 [diagnosis, remarks].
 1976 *Philarius*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].
 1982 *Philarius*, - Bruce, Crustaceana, 42 (2): 171 [key to genera].

Remarks: Scleractinia. - Acroporid coral associates, one possibly free-living.

***Philarius brevinaris* (Nobili, 1906)**

- 1906 *Periclimenes brevinaris* Nobili, Bull. sci. Fr. Belg., 40: 42, pl. 3, figs. 7, 7a.
 1967 *Philarius brevinaris*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 2e Sér., 39 (3): 568-570.

Distribution: Persian Gulf (off the coast of the Trucial Oman).

Depth range: 18-28m.

Habitat: pearl oyster bank.

Philarius gerlachei (Nobili, 1905)

- 1922 *Harpilius gerlachei*, - Kemp, Rec. Indian Mus., 24: 238-239, figs. 74-75.
 1953 *Philarius gerlachei*, - Holthuis, Atoll. Res. Bull., 24: 57.
 1966 *Philarius gerlachei*, - Patton, Crustaceana, 10: 276.
 1974 *Philarius gerlachei*, - Bruce, J. mar. biol. Ass. India, 16 (2): 482.
 1976 *Philarius gerlachei*, - Bruce, Zool. J. Linn. Soc., 59: 118-120, fig. 18, 147.
 1976 *Philarius gerlachei*, - Bruce, Zool. Verh., Leiden, 145: 30.
 1977 *Philarius gerlachei*, - Bruce, Rec. Austr. Mus., 31 (2): 62-65, fig. 11.
 1977 *Philarius gerlachei*, - Bruce, Atoll Res. Bull, 205: 5-6.
 1978 *Philarius gerlachei*, - Bruce, Bull. mar. Sci., 28 (1): 127.
 1978 *Philarius gerlachei*, - Bruce, Zool. J. Linn. Soc., 62: 280-281.
 1980 *Philarius gerlachei*, - Bruce, Pac. Sci., 34 (4): 390, fig. 1A-C.
 1980 *Philarius gerlachei*, - Bruce, Micronesica, 16 (2): 267, fig. 2g.
 1981 *Philarius gerlachei*, - Bruce, Atoll. Res. Bull., 245: 21.
 1983 *Philarius gerlachei*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.
 1986 *Philarius gerlachei*, - Holthuis, Zool. Meded., 60 (17): 269.
 1989 *Philarius gerlachei*, - Franssen, Netherlands J. Sea Res., 23 (2): 145-146.
 1990 *Philarius gerlachei*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Red Sea; southern Oman; Persian Gulf (Arzana Island); Kenya (Casuarina Point near Watamu; Malindi; Wasin Island); Tanganyika (Chukwani; Pange reef; Migombani Is.; Tutia reef; Mafia); Tanzania (Maziwi Island); Comores (Mayotte); Madagascar; Gulf of Manaar; Seychelles (Amirante Islands: Remire Is.); Indonesia; Australia (West Cay, Diamond Islets; One Tree Island, Capricorn Group; Willis Island, Bet Reef, Restoration Rock; Heron Island; Wistari Reef); Solomon Islands (Furona Island, Santa Isabella); Marshall Islands (Arno Atoll, Ine village); Gilbert Islands (Onotoa Atoll); Fiji (Ndravuni, Great Astrolabe Reef); Samoa.

Depth range: littoral-3m.

Habitat: various coral reef locations.

Host: Scleractinia. - an obligate associate of branching corals of the genus *Acropora*; *Acropora tubinaria* (Dana); several *Acropora* host species recorded in Bruce (1977), Atoll. Res. Bull.

Philarius imperialis (Kubo, 1940)

- 1952 *Philarius gerlachei*, - Holthuis, Siboga Exped., 39 (a10) (11): 152-153, fig. 69.
- 1953 *Philarius imperialis*, - Holthuis, Atoll. Res. Bull., 24: 57.
- 1958 *Philarius imperialis*, - Holthuis, Bull. Sea Fish. Sta. Haifa- 17 (8/9): 9.
- 1961 *Philarius imperialis*, - Johnson, Bull. natn. Mus., Singapore, 30: 59.
- 1966 *Philarius imperialis*, - Patton, Crustaceana, 10: 276.
- 1968 *Philarius imperialis*, - Miyake & Fujino, J. Fac. Agric., Kyushu Univ., 14 (3): 420-423, fig. 6.
- 1974 *Philarius imperialis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 482.
- 1977 *Philarius imperialis*, - Bruce, Atoll Res. Bull, 205: 6.
- 1981 *Philarius imperialis*, - Bruce, Atoll. Res. Bull., 245: 21.
- 1983 *Philarius imperialis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.
- 1990 *Philarius imperialis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Red Sea (Eilat); Kenya (Andromanche reef; Kirwetu); Tanganyika (Funga Chwamba; Murogo reef; Maziwi Is.); Singapore (Tanjong Gul); Indonesia; Australia (Queensland: Heron Island; Restoration Rock; Lizard Island); Marshall Islands (Arno Atoll, Ine village); Palau Islands.

Depth range: littoral-20m.

Habitat: coral reefs.

Host: Scleractinia. - *Acropora* sp.

Additional synonymy: *Harpilius imperialis* Kubo, 1940.

Philarius lifuensis (Borradaile, 1898)

- 1899 *Periclimenes lifuensis*, - Borradaile, in: Willey, A., Zoological results based on material from New Britain, New Guinea, Loyalty Islands and elsewhere, ..., 4: 405, pl. XXXVI, fig. 1a-c.
- 1922 *Philarius (Ancylocaris) lifuensis*, - Kemp, Rec. Indian Mus., 24: 220.
- 1977 *Philarius lifuensis*, - Bruce, Atoll Res. Bull, 205: 6.
- 1981 *Philarius lifuensis*, - Bruce, Atoll. Res. Bull., 245: 21.
- 1982 *Philarius lifuensis*, - Bruce, Crustaceana, 42 (2): 158-172, figs. 1-7.
- 1983 *Philarius lifuensis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.
- 1990 *Philarius lifuensis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Pacific - Australia (Queensland: Capricorn Islands, Heron Island (Wistari Reef), Erskine Island); New Caledonia; Loyalty Islands (Lifu).

Depth range: 6-18m.

Habitat: coral reef flats, outer edge and slope.

Host: Scleractinia. - *Acropora* sp., *Acropora nasuta* (Dana), *Acropora valida* (Dana).

Platycaris Holthuis, 1952

- 1952 *Platycaris* Holthuis, Siboga Exped., 39 (a10) (11): 172-173 [diagnosis, remarks].
- 1976 *Platycaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Scleractinia. - Associated with coral *Galaxea*

fascicularis L.

***Platycaris latirostris* Holthuis, 1952**

- 1952 *Platycaris latirostris*, - Holthuis, Siboga Exped., 39 (a10) (11): 173-176, figs. 85-86.
 1962 *Platycaris latirostris*, - Barnard, Crustaceana, 3: 243.
 1966 *Platycaris latirostris*, - Bruce, Crustaceana, 11: 1-8, figs. 1-5.
 1974 *Platycaris latirostris*, - Bruce, J. mar. biol. Ass. India, 16 (2): 482.
 1976 *Platycaris latirostris*, - Bruce, Zool. Verh., Leiden, 145: 31.
 1977 *Platycaris latirostris*, - Bruce, Atoll Res. Bull., 205: 7.
 1978 *Platycaris latirostris*, - Bruce, Bull. mar. Sci., 28 (1): 127-128.
 1980 *Platycaris latirostris*, - Bruce, Pac. Sci., 34 (4): 392.
 1981 *Platycaris latirostris*, - Bruce, Atoll. Res. Bull., 245: 21-22.
 1983 *Platycaris latirostris*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.
 1985 *Platycaris latirostris*, - Bruce, Galaxea, 4: 5-8, figs. 4-5.
 1990 *Platycaris latirostris*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Mocambique; Tanzania (Mafia; Tanga); Zanzibar (Mazizini; Chukwani; Migombani; Pange reef; Nyange reef; Fungu Chawamba; Fawatu reefs); Tanganyika (Tutia reef; Mafia; Maziwi Is.; Fungu Nyama); Kenya (Watamu; Malindi; Bamburi; Ras Iwatine; Takaungu; Jadini); Madagascar (Nosi Bé); Comores; La Réunion; Seychelles; Singapore; Indonesia (Flores); Australia (Heron Island, Great Barrier Reef); New Caledonia; Ryukyu Islands; Fiji (Ndravuni, Great Astrolabe Reef).

Depth range: 1-25.6m.

Habitat: coral reefs.

Host: Scleractinia. - the oculinid coral *Galaxea fascicularis* (L). The shrimp rests in a head down position on the host.

***Platypontonia* Bruce, 1968**

- 1968 *Platypontonia* Bruce, Zool. Meded., 15: 289; 297 [comparison with *Pontonia* and *Platycaris*].
 1971 *Platypontonia*, - Hipeau-Jacquotte, Crustaceana, 20: 124-126 [diagnosis].
 1976 *Platypontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Mollusca: Bivalvia. - Associated with ostreid bivalves.

***Platypontonia brevirostris* (Miers, 1884)**

- 1968 *Platypontonia brevirostris* Bruce, Zool. Meded., 15: 290-297, figs. 1-3.
 1973 *Platypontonia brevirostris*, - Bruce, Crustaceana, 24: 136-138, fig. 2.
 1976 *Platypontonia brevirostris*, - Bruce, Zool. J. Linn. Soc., 59: 147.
 1990 *Platypontonia brevirostris*, - Bruce, The Beagle, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Seychelles (Farquhar Atoll); Australia

(Queensland: Heron Island).

Depth range: 20m.

Host: Mollusca: Bivalvia. - *Lopha cristigalli*, Ostreidae.

Additional synonymy: *Pontonia brevirostris* Miers, 1884.

***Platypontonia hyotis* Hipeau-Jacquotte, 1971**

1971 *Platypontonia hyotis* Hipeau-Jacquotte, *Crustaceana*, 20: 126-140, figs. 1-7.

1974 *Platypontonia hyotis*, - Hipeau-Jacquotte, *Crustaceana*, 26 (1): 108-109, fig. 1.

1978 *Platypontonia hyotis*, - Bruce, *Zool. J. Linn. Soc.*, 62: 287 [text].

1983 *Platypontonia hyotis*, - Bruce, *Bull. Mus. natn. Hist. nat., Paris*, 4e sér., 5, sec. A, 3: 895, figs. 7J, 10B, C.

1990 *Platypontonia hyotis*, - Bruce, *The Beagle*, 7 (2): 19, tab. 2.

Distribution: Madagascar (Baie d'Andavadoaka); Indonesia; Japan (Sagami Bay).

Host: Mollusca: Bivalvia. - *Pycnodonta hyotis*; *Ostrea cristagalli* L. (Ostreidae, Lamellibranchia).

***Plesiopontonia* Bruce, 1985**

1985 *Plesiopontonia* Bruce, *Mém. Mus. natn. Hist. nat., sér. A, Zool.*, 133: 248-250 [diagnosis, remarks].

***Plesiopontonia monodi* Bruce, 1985**

1985 *Plesiopontonia monodi* Bruce, *Mém. Mus. natn. Hist. nat., sér. A, Zool.*, 133: 250-258, figs. 13-17.

Distribution: Philippines.

Depth range: 299-320m.

***Pliopontonia* Bruce, 1973**

1973 *Pliopontonia* Bruce, *Crustaceana*, 24: 97-99 [diagnosis, remarks].

***Pliopontonia furtiva* Bruce, 1973**

1973 *Pliopontonia furtiva* Bruce, *Crustaceana*, 24: 99-108, figs. 1-5, pl. I.

1974 *Pliopontonia furtiva*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 482.

1981 *Pliopontonia furtiva*, - Bruce, *Atoll. Res. Bull.*, 245: 22.

1983 *Pliopontonia furtiva*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 211.

1984 *Pliopontonia furtiva*, - Bruce, *Asian Mar. Biol.*, 1: 97, fig. 7.

1989 *Pliopontonia furtiva*, - Franssen, *Netherlands J. Sea Res.*, 23 (2): 144-145, fig. 8.

1990 *Pliopontonia furtiva*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.

1991 *Pliopontonia furtiva*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 266.

Distribution: Indo-Pacific - Kenya (Ras Iwatine, Mombasa); Indonesia; Philippines (Cebu); Australia (Great Barrier Reef: Heron Island, Wistari Reef. New South Wales: Cook Islands, Tweed Heads); New Caledonia (Atoll de Huon).

Depth range: 10-40m.

Habitat: coral reefs.

Host: Zoantharia. - the coralliomorph zoantharian *Rhodactis rhodostoma* (Ehrenberg); on *Discosoma*. Actinaria indet.

***Pontonia* Latreille, 1829**

1922 *Pontonia*, - Kemp, Rec. Indian Mus., 24: 259-261 [diagnosis, remarks, key to Indo-Pacific species].

1951 *Pontonia*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 115-117 [diagnosis, remarks, key to American species].

1952 *Pontonia*, - Holthuis, Siboga Exped., 39 (a10) (11): 156-158 [remarks].

1972 *Pontonia*, - Bruce, Crustaceana, 23: 185 [key to Indo-West Pacific species associated with ascidians].

1976 *Pontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Mollusca: Bivalvia; Tunicata. - Lamellibranch or tunicate hosts.

Additional synonymy: *Alciope* Rafinesque, 1814.

***Pontonia anachoreta* Kemp, 1922**

1922 *Pontonia anachoreta* Kemp, Rec. Indian Mus., 24: 264-266, figs. 93-95.

1974 *Pontonia anachoreta*, - Bruce, J. mar. biol. Ass. India, 16 (2): 482.

Distribution: Gulf of Aden; Kenya (Ras Iwatine); India (off Madras coast).

Depth range: 1-37m.

Habitat: fringing reef lagoon.

Host: Tunicata. - unidentified ascidians.

***Pontonia ardeae* Bruce, 1981**

1981 *Pontonia ardeae* Bruce, Crustaceana, 40 (2): 113-125, figs. 1-8.

1981 *Pontonia ardeae*, - Bruce, Atoll. Res. Bull., 245: 22.

1983 *Pontonia ardeae*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.

1990 *Pontonia ardeae*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: E-Australia (Queensland: Heron Island, Wistari reef).

Depth range: 18-21m.

Habitat: coral reefs.

Host: Mollusca: Bivalvia. - *Chama pacifica* Broderip (Bivalvia, Chamidae)

Pontonia ascidicola Borradaile, 1898

- 1952 *Pontonia ascidicola*, - Holthuis, Siboga Exped., 39 (a10) (11): 165-169, figs. 79-81.
 1958 *Pontonia ascidicola*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 10.
 1978 *Pontonia ascidicola*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1990 *Pontonia ascidicola*, - Bruce, The Beagle, 7 (2): 19, tab. 2.

Distribution: Red Sea; Madagascar (Tulear); Indonesia (Celebes); New Britain.

Depth range: 278m.

Habitat: bottom with corals and sand.

Host: Tunicata. - *Ascidia empheres*.

Pontonia californiensis Rathbun, 1902

- 1951 *Pontonia californiensis*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 145-148, pl. 46, figs. a-i, pl. 47, figs. a-c.

Distribution: E-Pacific. - Channel Islands of California.

Depth range: 28-55m.

Habitat: loose rock, sand, pebbles.

Host: Tunicata. - *Phallusia vermiformis* Ritter (= *Ascidia vermiformis*).

Pontonia chimaera Holthuis, 1951

- 1951 *Pontonia chimaera* Holthuis, Allan Hancock Found. Occ. Pap., 11: 125-128, pl. 39, figs. a-p.
 1983 *Pontonia chimaera*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 18.

Distribution: E-Pacific. - Baja California (Bahia Venetia, Sonora); Panama (Pearl Islands).

Depth range: shallow subtidal.

Host: in mantle cavities of Mollusca: Gastropoda. - *Strombus galeatus* Swainson.

Pontonia katoi Kubo, 1940

- 1940 *Pontonia katoi* Kubo, J. Imp. Fish. Inst. Tokyo, 34 (1): 55-58, figs. 21-23.
 1952 *Pontonia katoi*, - Holthuis, Siboga Exped., 39 (a10) (11): 158-164, figs. 73-77.
 1974 *Pontonia katoi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 482.
 1977 *Pontonia katoi*, - Bruce, Crustaceana, 33 (2): 178-179, fig. 9.
 1978 *Pontonia katoi*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1980 *Pontonia katoi*, - Bruce, Cah. Indo-Pac., 2 (1): 34-36, figs. 13i-j, 14.
 1981 *Pontonia katoi*, - Bruce, Atoll. Res. Bull., 245: 22.
 1983 *Pontonia katoi*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 894-895.
 1983 *Pontonia katoi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211.

1990 *Pontonia katoi*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Tanganyika (off Ras Mkumbe); Madagascar (Tulear); Indonesia (Moluccas); Lesser Sunda Islands (Roti); Australia (Queensland: Coil Reef; Heron Island, Wistari Reef); Japan (Shimoda); New Caledonia (Nouméa, Ilot Maitre).

Depth range: 18-45m.

Habitat: coral reefs. - coral bottoms and *Lithothamnion* bottoms; mud.

Host: Tunicata. - in branchial chambers of tunicates. - *Styela palinorsa* Sluiter, *Cynthia ritteri* Oka, *Polycapa aurata* ?, *Polycarpa pedunculata*, *Polycarpa cryptocarpa* ?, *Polycarpa cryptocarpa* (Sluiter), *Herdmania momus* (Savigny), *Microcosmos hartmeyeri* ?, *Cnemidocarpa pedata* ?.

***Pontonia longispina* Holthuis, 1951**

1951 *Pontonia longispina* Holthuis, Allan Hancock Found. Occ. Pap., 11: 128-130, pl. 40, figs. a-j.

1983 *Pontonia longispina*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 19.

Distribution: E-Pacific. - Gulf of California; Mexico.

Depth range: intertidal to shallow water.

Habitat: rocky areas.

***Pontonia margarita* Smith, 1869**

1937 *Pontonia margarita*, - Chace, *Zoologica* (NY), 22: 136.

1951 *Pontonia margarita*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 137-142, pl. 43, figs. a-i, pl. 44, figs. a-h.

1983 *Pontonia margarita*, - Hendrickx, Wicksten & van der Heiden, *Proc. biol. Soc. Wash.*, 96 (1): 70.

1983 *Pontonia margarita*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 19.

Distribution: E-Pacific. - Gulf of California; Mexico; Costa Rica; Panama; Colombia; Galapagos Archipelago. W-Atlantic. - Florida.

Depth range: littoral-60m.

Host: Mollusca: Bivalvia. - *Aequpecten*; *Pteria*; *Pinctada mazatlanica*.

Additional synonymy: *Coralliocaris camerani* Nobili, 1901; *Conchodytes margarita*; non *Pontonia margarita* in Boone (1930).

***Pontonia medipacifica* Edmondson, 1935**

1980 *Pontonia medipacifica*, - Bruce, *Crustaceana*, 39 (3): 225-233, figs. 1-4.

Distribution: Hawaii (Midway Island).

***Pontonia monnioti* Bruce, 1990**

- 1990 *Pontonia monnioti* Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 183-191, figs. 21-24, 38e-h, 39i-j.
 1990 *Pontonia monnioti*, - Bruce, The Beagle, 7 (2): 19, tab. 2.
 1991 *Pontonia monnioti*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 152: 381.

Distribution: New Caledonia (Chesterfield Islands).
 Depth range: 270-290m.

***Pontonia okai* Kemp, 1922**

- 1922 *Pontonia okai* Kemp, Rec. Indian Mus., 24: 261-264, figs. 89-92.
 1952 *Pontonia okai*, - Holthuis, Siboga Exped., 39 (a10) (11): 164-165, fig. 78.
 1974 *Pontonia okai*, - Bruce, J. mar. biol. Ass. India, 16 (2): 483.
 1979 *Pontonia okai*, - Bruce, Cah. Indo-Pac., 1 (2): 234.
 1981 *Pontonia okai*, - Bruce, Atoll. Res. Bull., 245: 22-23.
 1983 *Pontonia okai*, - Bruce, Austr. Mus. Sydney, Mem., 18: 212.
 1990 *Pontonia okai*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-West Pacific - Kenya (Port Tudor, Mombasa); Madagascar; Burma; South China Sea; Indonesia; Lesser Sunda Islands; Australia (Queensland: Heron Island).

Depth range: 6-92m.

Habitat: coral reefs; coral, shells.

Host: Tunicata. - in association with *Ascidia willeyi*, *Corella aequabilis* Sluiter, *Phallusia julinea* Sluiter, *Cnemidocarpa pedata* (Ascidacea).

***Pontonia pinnae* Lockington, 1878**

- 1951 *Pontonia pinnae*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 118-122, pl. 36, figs. a-l, pl. 37, figs. a-i.
 1983 *Pontonia pinnae*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 18.
 1992 *Pontonia pinnae*, - Campos, de Campos & Ramirez, Proc. biol. Soc. Wash., 105 (4): 753-754.

Distribution: E-Pacific. - Upper Gulf of California to Panamá, and west coast of Baja California Sur to San Ignacio Lagoon [many records in Holthuis 1951].

Depth range: shallow water.

Habitat: coastal.

Host: Mollusca: Bivalvia. - in *Pinna rugosa* Sowerby and *Atrina tuberculosa* (Sowerby).

Additional synonymy: *Pontonia margarita*, in Boone (1930).

***Pontonia pusilla* Holthuis, 1951**

- 1951 *Pontonia pusilla* Holthuis, Allan Hancock Found., Occ. Pap., 11: 142-144, pl. 45, figs. a-k.

Distribution: E-Pacific. - Panama; Ecuador.

Depth range: shallow water-26m.

Habitat: "shells, nullipores"; "coral" (Holthuis).

Pontonia sibogae Bruce, 1972

- 1972 *Pontonia sibogae* Bruce, *Crustaceana*, 23: 182-185, fig. 1.
 1977 *Pontonia sibogae*, - Bruce, *Crustaceana*, 33 (2): 179-180, fig. 10.
 1978 *Pontonia sibogae*, - Bruce, *Zool. J. Linn. Soc.*, 62: 280.
 1983 *Pontonia sibogae*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 212.
 1986 *Pontonia sibogae*, - Holthuis, *Zool. Meded.*, 60 (17): 270.
 1990 *Pontonia sibogae*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-West Pacific - southern Oman; Indonesia; off NW-Madagascar; Australia (Lodestone Reef, Bowling Green; Curtis Channel, Port Curtis).

Depth range: 3-42m.

Habitat: coral reefs.

Host: Tunicata. - unidentified ascidians.

Pontonia simplex Holthuis, 1951

- 1951 *Pontonia simplex* Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 135-137, pl. 42, figs. a-m.
 1983 *Pontonia simplex*, - Wicksten, *Allan Hancock Monogr. Mar. Biol.*, 13: 19.

Distribution: E-Pacific. - Mexico.

Habitat: rocky shore and lagoons.

Host: Mollusca: Bivalvia. - *Pinna* sp.

Pontonia stylirostris Holthuis, 1952

- 1952 *Pontonia stylirostris* Holthuis, *Siboga Exped.*, 39 (a10) (11): 169-172, figs. 82-84.
 1974 *Pontonia stylirostris*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 483.
 1986 *Pontonia stylirostris*, - Holthuis, *Zool. Meded.*, 60 (17): 270-271.
 1990 *Pontonia stylirostris*, - Bruce, *The Beagle*, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Australia (Queensland: Townsville); Indonesia (between Misool and New Guinea); Tanganyika (Mafia Is.); southern Oman.

Depth range: 32-45.5m.

Habitat: coral rubble; sand, small stones, shells.

Host: Tunicata. - probably ascidians.

Pontonides Borradaile, 1917

- 1917 *Pontonides* Borradaile, *Trans. Linn. Soc. Zool.*, 17 (2): 387 [diagnosis].
 1922 *Pontonides*, - Kemp, *Rec. Indian Mus.*, 24: 266-267 [remarks].
 1952 *Pontonides*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 219 [remarks].
 1976 *Pontonides*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Antipatharia; Gorgonaria. - Antipatharian and gorgonian hosts.

Pontonides maldivensis (Borradaile, 1917)

- 1917 *Pontonides maldivensis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): pl. 57, fig. 28.
 1974 *Pontonides maldivensis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 483.
 1977 *Pontonides maldivensis*, - Bruce, Atoll Res. Bull, 205: 14.

Distribution: Kenya (Mombasa Harbour; Shelly Beach, Mombasa); Maldives.

Depth range: 22-32m.

Host: Antipatharia. - the ahermaptic coral *Dendrophyllia micracantha* (Ehrenberg).

Additional synonymy: *Pontonia maldivensis* Borradaile, 1915.

Pontonides sympathes Ridder & Holthuis, 1979

- 1979 *Pontonides sympathes* Ridder & Holthuis, Zool. Meded., 54 (7): 101-110, figs. 1-3.

Distribution: Galapagos Archipelago (San Cristobal Island).

Depth range: 10-23m.

Habitat: host growing on lava bottom.

Host: Antipatharia. - *Antipathes galapagensis* Deichmann.

Pontonides unciger Calman, 1939

- 1952 *Pontonides unciger*, - Holthuis, Siboga Exped., 39 (a10) (11): 219-223, figs. 108-110.
 1968 *Pontonides unciger*, - Davis & Cohen, Bull. mar. Sci., 18 (4): 749-761, figs. 1, 3 [association with the antipatharian *Cirripathes* and the gobioid fish *Cottogobius yongei*].
 1969 *Pontonides unciger*, - Fujino & Miyake, Ohmu, 2 (6): 87-92, fig. 1 [sexual dimorphism and variation of 2nd pereopods].
 1974 *Pontonides unciger*, - Bruce, J. mar. biol. Ass. India, 16 (2): 483.
 1977 *Pontonides unciger*, - Bruce, Atoll Res. Bull, 205: 14.
 1978 *Pontonides unciger*, - Bruce, Zool. J. Linn. Soc., 62: 284.
 1979 *Pontonides unciger*, - Monod, Cah. Pac., 1 (1): 10-19, figs. 9-35.
 1990 *Pontonides unciger*, - Bruce, The Beagle, 7 (2): 19, tab. 2.

Distribution: southern Red Sea; Kenya (Mombasa Harbour); Indonesia; Borneo (Darvel Bay); Madagascar (Baie d'Ampasindava, Nosy Tanga); Australia; Japan; French Polynesia (Marquesas); Hawaii.

Depth range: 26-55m.

Habitat: bottom with corals and shells.

Host: Gorgonaria. Antipatharia. - coral *Dendrophyllia ijamai* Yabe; *Cirripathes*.

Pontoniopsis Borradaile, 1915

- 1917 *Pontoniopsis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 377 [diagnosis].
 1976 *Pontoniopsis*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Eudean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Echinodermata: Crinoidea. - Associated with crinoids.

Pontoniopsis comanthi Borradaile, 1915

- 1917 *Pontoniopsis comanthi*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 377, pl. 57, fig. 27.
 1952 *Pontoniopsis comanthi*, - Holthuis, Siboga Exped., 39 (a10) (11): 153-156, figs. 70-71.
 1953 *Pontoniopsis comanthi*, - Holthuis, Atoll. Res. Bull., 24: 57.
 1958 *Pontoniopsis comanthi*, - Holthuis, Bull. Sea Fish. Sta. Haifa, 17 (8/9): 9-10, fig. 3.
 1973 *Pontoniopsis comanthi*, - Fishelson, J. mar. biol. Ass. India, 15 (2): 468, fig. 5a.
 1974 *Pontoniopsis comanthi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 483.
 1980 *Pontoniopsis comanthi*, - Bruce, Pac. Sci., 34 (4): 396-398, figs. 3D, 4, 5.
 1981 *Pontoniopsis comanthi*, - Bruce, Atoll. Res. Bull., 245: 23.
 1982 *Pontoniopsis comanthi*, - Bruce, Mem. Austr. Mus., 16: 205 [crinoid host records].
 1983 *Pontoniopsis comanthi*, - Bruce, Bull. Mus. natn. Hist. nat., Paris, 4e sér., 5, sec. A, 3: 894.
 1983 *Pontoniopsis comanthi*, - Bruce, Austr. Mus. Sydney, Mem., 18: 212.
 1989 *Pontoniopsis comanthi*, - Bruce, Asian Mar. Biol., 6: 181.
 1990 *Pontoniopsis comanthi*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Red Sea (Eilat); Zanzibar (Chukwani; Chumbe Is.; Chango Is.; Zanzibar Harbour); Kenya (Shelly Beach, Mombasa; Wasin Is.); Indonesia (Lombok; Mollucas); Philippines (Cebu: Moalboal); Australia (Mabuaig, Torres Strait); Gilbert Islands (Onotoa Atoll); Marianas Islands (lagoon west of Saipan); Marshall Islands; Fiji Islands (Ndravuni, Great Astrolabe Reef).

Depth range: 9-22m.

Habitat: various coral reef locations.

Host: Echinodermata: Crinoidea. - *Comanthus parvicirrus* (J. Müller), *Comanthus multiradiatus*, *Comanthus timorensis* (J. Müller); *Comantula pectinata* (L.); *Comanthus purpurea* (J. Müller); *Comanthus samoanus* A.H. Clark; *Capillaster multiradiatus* (L.); *Heterometra savignyi* (J. Müller); *Lamprometra klunzingeri* (Hartlaub); *Tropiometra carinata* (Lam.), (Crinoidea, Echinodermata).

Propontonia Bruce, 1969

- 1969 *Propontonia* Bruce, Crustaceana, 17: 141-142 [diagnosis, remarks, comparison with *Hamodactylus* and *Waldola*].

***Propontonia pellucida* Bruce, 1969**

- 1969 *Propontonia pellucida* Bruce, Crustaceana, 17: 142-149, figs. 1-5.
 1974 *Propontonia pellucida*, - Bruce, J. mar. biol. Ass. India, 16 (2): 483-484.
 1976 *Propontonia pellucida*, - Bruce, Zool. J. Linn. Soc., 59: 149.
 1976 *Propontonia pellucida*, - Bruce, Zool. Verh., Leiden, 145: 36-37.
 1978 *Propontonia pellucida*, - Bruce, Bull. mar. Sci., 28 (1): 132.
 1981 *Propontonia pellucida*, - Bruce, Atoll. Res. Bull., 245: 23.
 1983 *Propontonia pellucida*, - Bruce, Austr. Mus. Sydney, Mem., 18: 212.
 1990 *Propontonia pellucida*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-West Pacific - Kenya (Casuarina Point; Malindi; Ras Iwatine; Wasin Is.); Zanzibar (Pange reef); Comores (Grande Comore; Mayotte); Amirante Islands (Remire Island); Seychelles (Amirante Islands: Remire Is.); Australia (Queensland: Heron Island).

Depth range: low water-3m.

Habitat: shallow water patch reefs and fringing reef lagoons.

Host: Alcyonaria. - *Lobophyton*; *Sarcophyton elegans* Moser, *Sarcophyton crassicaule* Moser, *Sarcophyton trocheliophorum* Marenzeller (Alcyonacea).

***Pseudocoutierea* Holthuis, 1951**

- 1951 *Pseudocoutierea* Holthuis, Allan Hancock Found. Occ. Pap., 11: 182 [diagnosis].

***Pseudocoutierea elegans* Holthuis, 1951**

- 1951 *Pseudocoutierea elegans* Holthuis, Allan Hancock Found. Occ. Pap., 11: 182-185, pl. 57, figs. a-r.
 1983 *Pseudocoutierea elegans*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 19-20.

Distribution: E-Pacific. - California to Colombia (Isla Malpelo); Galapagos Archipelago.

Depth range: 37-92m.

Habitat: sand and rocky bottoms with sea urchins and gorgonids.

Host: ?Echinodermata.

***Pseudopontonia* Bruce, 1992**

- 1992 *Pseudopontonia* Bruce, J. nat. Hist., 26: 1273-1274 [diagnosis, remarks].

***Pseudopontonia minuta* (Baker, 1907)**

- 1972 *Pontonia minuta*, - Bruce, Crustaceana, 23: 65-74, figs. 1-5.
 1983 *Pseudopontonia minuta*, - Bruce, Austr. Mus. Sydney, Mem., 18: 211-212.
 1990 *Pontonia minuta*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.
 1992 *Pseudopontonia minuta*, - Bruce, J. nat. Hist., 26: 1274.

Distribution: Australia (Meroo Point, south coast of New South Wales).

Habitat: shell gravel.

Host: ?Polychaeta. - probably associated with polychaetes (see comments in Bruce, 1983).

***Stegopontonia* Nobili, 1907**

- 1907 *Stegopontonia* Nobili, Bull. Mus. natn. Hist. nat., Paris, 12: 258 [diagnosis].
 1922 *Stegopontonia*, - Kemp, Rec. Indian Mus., 24: 268 [remarks].
 1976 *Stegopontonia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

Remarks: Echinodermata: Echinoidea. - Associated with diadematid echinoids.

***Stegopontonia commensalis* Nobili, 1906**

- 1907 *Stegopontonia commensalis*, - Nobili, Mem. Accad. Sci. Torino, ser. 2, 57: 360, pl. 1.
 1953 *Stegopontonia commensalis*, - Holthuis, Atoll. Res. Bull., 24: 58.
 1971 *Stegopontonia commensalis*, - Castro, Pac. Sci., 25: 397.
 1974 *Stegopontonia commensalis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 484.
 1981 *Stegopontonia commensalis*, - Bruce, Atoll. Res. Bull., 245: 23.
 1982 *Stegopontonia commensalis*, - Bruce, Mem. Austr. Mus., 16: 204 [echinoid host records].
 1983 *Stegopontonia commensalis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 212.
 1990 *Stegopontonia commensalis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Kenya (Kikambala; Ras Iwatine); Mauritius; Australia (Queensland: Heron Island); New Caledonia (Ilot Porc Epic, ESE of Noumea); French Polynesia (Tuamotu Archipelago: Ngarumaoa Island, Raroia Atoll); Hawaii.

Depth range: 1m.

Habitat: fringing reef lagoons.

Host: Echinodermata: Echinoidea. - from sea urchins *Echinothrix calamaris* (Pallas), *Echinothrix diadema* (L.), *Diadema paucispinum* A. Agassiz; *Diadema setosum* (Leske); *Diadema savignyi* Michelin; *Echinothrix diadema* (L.).

***Tectopontonia* Bruce, 1973**

- 1973 *Tectopontonia* Bruce, Crustaceana, 24: 169-172 [diagnosis, remarks, differences to related genera].

***Tectopontonia maziwiae* Bruce, 1973**

- 1973 *Tectopontonia maziwiae* Bruce, *Crustaceana*, 24: 172-179, figs. 1-4.
 1974 *Tectopontonia maziwiae*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 484.

Distribution: Tanganyika (Maziwi Island, off Pangani).
 Depth range: 4m.
 Habitat: leeward side of a coral reef.
 Host: Scleractinia. - *Acropora surculosa* (Dana).

***Thaumastocaris* Kemp, 1922**

- 1922 *Thaumastocaris* Kemp, *Rec. Indian Mus.*, 24: 244 [diagnosis, remarks].
 1976 *Thaumastocaris*, - Bruce, in: *Biology and Geology of Coral Reefs* (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Porifera. - Found in shallow-water sponges.

***Thaumastocaris streptopus* Kemp, 1922**

- 1922 *Thaumastocaris streptopus* Kemp, *Rec. Indian Mus.*, 24: 244-247, figs. 78-80.
 1952 *Thaumastocaris streptopus*, - Holthuis, *Siboga Exped.*, 39 (a10) (11): 111-114, figs. 46-47.
 1974 *Thaumastocaris streptopus*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 484.
 1978 *Thaumastocaris streptopus*, - Bruce, *Bull. mar. Sci.*, 28 (1): 120.
 1978 *Thaumastocaris streptopus*, - Bruce, *Zool. J. Linn. Soc.*, 62: 255-256.
 1979 *Thaumastocaris streptopus*, - Bruce, *Crustaceana*, Suppl. 5: 227-228, fig. 3C, D.
 1980 *Thaumastocaris streptopus*, - Bruce, *Cah. Indo-Pac.*, 2 (1): 13-15, fig. 5d-j.
 1981 *Thaumastocaris streptopus*, - Bruce, *Atoll. Res. Bull.*, 245: 23-24.
 1983 *Thaumastocaris streptopus*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 212.
 1983 *Thaumastocaris streptopus*, - Bruce & Svoboda, *Zool. Verh.*, 205: 25-26, fig. 9.
 1990 *Thaumastocaris streptopus*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.
 1991 *Thaumastocaris streptopus*, - Bruce, in: *Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie* (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 258, fig. 21.

Distribution: Indo-Pacific - Red Sea (Aqaba, Jordan); Somalia; Kenya (Wasin Is., Shimoni; Howards Rocks; Wasin Channel; Mwamba Cha; Jadini; Andromanche reef; Shelly Beach; Mombasa Harbour approach; Ras Iwatine; North Kenya Banks); Zanzibar (Zanzibar Harbour; Pange reef; Bawi Is.; Pungume Is.; Bat Is.; Kwale Is.; Kibweni; Fumba; Mkokotoni; Chango Is.; Murogo reef; Chwaka); Tanganyika (Maziwi Is.); Madagascar (Trois Frères, Nosy Bé); Indonesia; Australia (Queensland: Heron Island, Wistari Reef); New Caledonia (Nouméa, Ilot Maitre; île Ouen, baie du Prony; Grand Récif Sud); Marshall Islands (Eniwetok Atoll); Caroline Islands.

Depth range: 5.5-141m.

Habitat: coral reefs.

Host: Porifera, in the spongocoel of the host. - *Arenochalina flammula*; *Leucetta microraphis*; *Siphonochalina siphonella* Levi, 1965; *Haliclone*; *Acarus*; *Petrosia*, *Callyspongia*.

***Tuleariocaris* Hipeau-Jacquotte, 1965**

1967 *Tuleariocaris*, - Bruce, Zool. Verh., 87: 32-33 [diagnosis].

1976 *Tuleariocaris*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 84, tab. I [remarks].

1982 *Tuleariocaris*, - Bruce, Mem. Austr. Mus., 16: 204 [key to echinoid associated species].

Remarks: Echinodermata: Echinoidea. - Associated with diadematid echinoids.

***Tuleariocaris holthuisi* Hipeau-Jacquotte, 1965**

1965 *Tuleariocaris holthuisi* Hipeau-Jacquotte, Rec. Trav. Stat. Mar. d'Endoume, 37 (53): 247, pls. 1-5.

1967 *Tuleariocaris holthuisi*, - Bruce, Zool. Verh., 87: 43-44.

1971 *Tuleariocaris holthuisi*, - Castro, Pac. Sci., 25: 397-398.

1974 *Tuleariocaris holthuisi*, - Bruce, J. mar. biol. Ass. India, 16 (2): 484.

1978 *Tuleariocaris holthuisi*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].

1982 *Tuleariocaris holthuisi*, - Bruce, Mem. Austr. Mus., 16: 204-205 [echinoid host records].

1990 *Tuleariocaris holthuisi*, - Bruce, The Beagle, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Kenya (Ras Kidomoni, Mombasa); Madagascar (Tulear); Australia (Myora Light, North Stradbroke Island); Hawaii (Oahu, Hanauma Bay).

Depth range: 0.5-15m.

Habitat: reef flat pools.

Host: Echinodermata: Echinoidea. - *Stomopneustes variolaris* (Lam.), *Echinometra mathaei* (de Blainville), *Echinothrix diadema* (Linn.); on *Diadema setosum* Leske, *Astropyge radiata* (Leske).

***Tuleariocaris zanzibarica* Bruce, 1967**

1967 *Tuleariocaris zanzibarica* Bruce, Zool. Verh., 87: 33-43, figs. 13-18.

1974 *Tuleariocaris zanzibarica*, - Bruce, J. mar. biol. Ass. India, 16 (2): 484.

1978 *Tuleariocaris zanzibarica*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].

1982 *Tuleariocaris zanzibarica*, - Bruce, Mem. Austr. Mus., 16: 205 [echinoid host records].

1989 *Tuleariocaris zanzibarica*, - Bruce, Asian Mar. Biol., 6: 184-185.

Distribution: Kenya (Andromanche reef; Ras Iwatine; Wasin Is.; Mombasa, Old Port; Port Reitz, Mombasa; Bamburi); Zanzibar (Mangapwani; Mtoni; Prison Island); Madagascar (Nosy Bé; Nosy

Tanikely); Philippines (Genu algal farm); New Caledonia (Kieta, Bougainville Island); Solomon Islands; Japan.

Depth range: littoral.

Habitat: muddy sand beaches.

Host: Echinodermata: Echinoidea; *Astropyga radiata* (Leske); *Diadema setosum* (Leske), *Diadema savigny* (Michelin); *Echinothrix calamaris* (Pallas); *Echinothrix diadema* (L.).

***Typton* Costa, 1844**

- 1922 *Typton*, - Kemp, Rec. Indian Mus., 24: 286.
 1951 *Typton*, - Holthuis, Allan Hancock Found. Occ. Pap., 11: 151-153 [diagnosis, remarkss, key to American species].
 1969 *Typton*, - Fujino & Miyake, Ohmu, 2 (5): 84-86 [remarks].
 1972 *Typton*, - Bruce, Crustaceana, 23: 252-253 [diagnosis, remarks].
 1976 *Typton*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Eudean eds.), Academic Press: 83, tab. I [remarks].
 1977 *Typton*, - Bruce, Crustaceana, 32 (3): 281, fig. 7 [distribution map of Indo-West Pacific species], 284 [key to Indo-West Pacific species].
 1978 *Typton*, - Bruce, Crustaceana, 35 (3): 299 [remark: "Shrimps of the genus *Typton* live in association with sponges"].
 1986 *Typton*, - Bruce, Crustaceana, 50 (3): 285-286 [key to Indo-West Pacific species].

Remarks: Porifera hosts. - Probably all species associated with sponges.

Additional synonymy: *Pontonella* Heller, 1856

***Typton anomalus* (Bruce, 1979)**

- 1979 *Onycocaris anomala* Bruce, Rec. Austr. Mus., 32 (2): 69-79, figs. 1-4.
 1990 *Typton anomalus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: NW-Australia.

***Typton australis* Bruce, 1973**

- 1973 *Typton australis* Bruce, Rec. Austr. Mus., 28: 254-263, figs. 1-4.
 1981 *Typton australis*, - Bruce, Atoll. Res. Bull., 245: 24.
 1983 *Typton australis*, - Bruce, Austr. Mus. Sydney, Mem., 18: 213.
 1990 *Typton australis*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: E-Australia (Queensland: Chinaman's Reef, between Opal and Rudder Reefs; Heron Island).

Depth range: low water-3m.

Habitat: coral reefs. - from dead coral; in sponges.

Host: ?Porifera. - on the sponge *Psammopemma*.

***Typton bawii* Bruce, 1972**

- 1972 *Typton bawii* Bruce, Crustaceana, 23: 243-253, figs. 1-6.

- 1974 *Typton bawii*, - Bruce, J. mar. biol. Ass. India, 16 (2): 484-485.
 1981 *Typton bawii*, - Bruce, Atoll. Res. Bull., 245: 24.
 1983 *Typton bawii*, - Bruce, Austr. Mus. Sydney, Mem., 18: 213.
 1990 *Typton bawii*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Zanzibar (Bawi Is.); Kenya (Ras Iwatine; Shimoni); E-Australia (Queensland: Heron Island).

Depth range: 18-25m.

Habitat: coral reef flats.

Host: Porifera. - the sponge *Iotrochota baculifera* Ridley.

***Typton crosslandi* Bruce, 1978**

- 1978 *Typton crosslandi* Bruce, Crustaceana, 35 (3): 294-299, figs. 1-3.

Distribution: Galapagos Islands (off Onslow Island, near Charles Island).

Depth range: 7m.

***Typton dentatus* Fujino & Miyake, 1969**

- 1969 *Typton dentatus* Fujino & Miyake, Ohmu, 2 (5): 80-84, figs. 1-2.
 1980 *Typton dentatus*, - Bruce, Crustaceana, 39 (2): 113-120, figs. 1-3.
 1981 *Typton dentatus*, - Bruce, Atoll. Res. Bull., 245: 24.
 1983 *Typton dentatus*, - Bruce, Austr. Mus. Sydney, Mem., 18: 213.
 1990 *Typton dentatus*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: W-Pacific - Australia (Queensland: Heron Island, Capricorn Islands); Japan, Ryukyu Islands (Ukashi, Yoron-jima Island).

Depth range: shallow water.

Habitat: coral reef flats, amongst the bases of dead corals.

Host: Porifera. - *Reniera* sp. (Desmospongiae).

***Typton dimorphus* Bruce, 1986**

- 1986 *Typton dimorphus* Bruce, Crustaceana, 50 (3): 278-285, figs. 1-4.
 1990 *Typton dimorphus*, - Bruce, The Beagle, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Ashmore Reef, Timor Sea.

Depth range: 5m.

Habitat: from coral rubble.

Host: ?Porifera. - probably a sponge associate.

***Typton hephaestus* Holthuis, 1951**

- 1951 *Typton hephaestus* Holthuis, Allan Hancock Found. Occ. Pap., 11: 159, pl. 49, figs. o-p.
 1983 *Typton hephaestus*, - Wicksten, Allan Hancock Monogr. Mar. Biol., 13: 15.

Distribution: E-Pacific. - southern California.
 Depth range: subtidal-17m.
 Habitat: on rocky bottoms.

***Typton nanus* Bruce, 1988**

- 1988 *Typton nanus* Bruce, *The Beagle*, 4 (1): *The Beagle*, 4 (1): 49-55, figs. 1-5.
 1990 *Typton nanus*, - Bruce, *The Beagle*, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Australia (NW-shelf).
 Depth range: 40-46m.
 Host: ?Porifera.
 Remarks: One of the smallest pontoniine shrimps, with about 1mm carapace length.

***Typton serratus* Holthuis, 1951**

- 1951 *Typton serratus* Holthuis, *Allan Hancock Found. Occ. Pap.*, 11: 167-170, pl. 53, figs. a-1.
 1983 *Typton serratus*, - Wicksten, *Allan Hancock Monogr. Mar. Biol.*, 13: 15-16.

Distribution: E-Pacific. - Mexico; Galapagos Archipelago.
 Depth range: subtidal-28m.
 Host: Porifera. - an inhabitant of undetermined sponges.

***Typton tortugae* McClendon, 1910**

- 1983 *Typton tortugae*, - Wicksten, *Allan Hancock Monogr. Mar. Biol.*, 13: 16.

Distribution: Bermudas; Florida; Gulf of California.
 Depth range: subtidal-20m.
 Host: Porifera.

***Typton wasini* Bruce, 1977**

- 1974 *Typton wasini*, - Bruce, *J. mar. biol. Ass. India*, 16 (2): 485 [nomen nudum].
 1977 *Typton wasini* Bruce, *Crustaceana*, 32 (3): 272-285, figs. 1-6.
 1981 *Typton wasini*, - Bruce, *Atoll. Res. Bull.*, 245: 24.
 1983 *Typton wasini*, - Bruce, *Austr. Mus. Sydney, Mem.*, 18: 213.
 1990 *Typton wasini*, - Bruce, *The Beagle*, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-West Pacific - Kenya (Wasin Island Channel); La Réunion; Australia (Queensland: Heron Island).
 Depth range: 6-21m.
 Habitat: coral reef flats, crest and slope.
 Host: Porifera. - *Reniera* sp., *Dysidea* sp. and other undetermined sponges.

***Urocaridella* Borradaile, 1915**

- 1917 *Urocaridella*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 352 [diagnosis].
 1922 *Urocaridella*, - Kemp, Rec. Indian Mus., 24: 122 [remarks].

Urocaridella gracilis Borradaile, 1915

- 1917 *Urocaridella gracilis*, - Borradaile, Trans. Linn. Soc. Zool., 17 (2): 352-353, pl. 53, fig. 2.
 1922 *Urocaridella gracilis*, - Kemp, Rec. Indian Mus., 24: 122.
 1989 *Urocaridella gracilis*, - Markham, The Beagle, 6 (1): 146-148 [parasitism, Isopoda].
 1990 *Urocaridella gracilis*, - Bruce, Mém. Mus. natn. Hist. nat., (A), 145: 150-151.
 1991 *Urocaridella gracilis*, - Bruce, in: Le Benthos des Fonds Meubles des Lagons de Nouvelle-Calédonie (R. de Forges, ed.), Editions de l'ORSTOM, Paris: 228-229, figs. 1f, 3c, 4.

Distribution: India (off Chilka Lake); Maldives; Andaman Islands (Port Blair); Singapore; Indonesia (Mergui Archipelago); New Caledonia (île Ouen, baie du Prony).

Depth range: 4-125m.

Remarks: The bopyrid isopod *Diplophryxus gracilis* Markham, 1989 infests *U. gracilis*.

Veleronia Holthuis, 1951

- 1951 *Veleronia* Holthuis, Allan Hancock Found. Occ. Pap., 11: 195-196 [diagnosis, remarks, key to species].
 1976 *Veleronia*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].
 1980 *Veleronia*, - Bruce, Crustaceana, 38 (3): 244 [comparison with *Paratypton*].

Remarks: Gorgonaria. - Gorgonian hosts.

Veleronia laevifrons Holthuis, 1951

- 1951 *Veleronia laevifrons* Holthuis, Allan Hancock Found. Occ. Pap., 11: 199-201, pl. 63, figs. f-m.
 1985 *Veleronia laevifrons*, - Wicksten & Hendrickx, Proc. biol. Soc. Wash., 98 (3): 571-572.
 1987 *Veleronia laevifrons*, - Cantera, v. Prahl & R. Neira, Bol. Ecotrop., 17: 12-13, fig. 4.

Distribution: Gulf of California, Mexico (Sonora; Bahia San Carlos; Isla Peruano; Isla Candolero, near Guayamas); Colombia (Isla Gorgona); Ecuador (off Cabo San Francisco; off La Playa, Bahia Santa Elena); Galapagos Archipelago (Garner Bay, Isla Española, Hood Island).

Depth range: 4-20m.

Habitat: rocks, reefs, and sand with rock patches.

Host: Gorgonaria. - among *Parazoanthus* sp.; on gorgonians *Eugorgia aurantica* Verrill and *Muricea californica* Aurivillius.

***Veleronia serratifrons* Holthuis, 1951**

1951 *Veleronia serratifrons* Holthuis, Allan Hancock Found. Occ. Pap., 11: 196-198, pl. 62, figs. a-m, pl. 63, figs. a-e.

Distribution: Ecuador (La Libertad); Galapagos Archipelago.

Depth range: 18-28m.

Habitat: sand, shells, rocks.

***Vir* Holthuis, 1952**

1952 *Vir* Holthuis, Siboga Exped., 39 (a10) (11): 29-30 [diagnosis, remarks].

1976 *Vir*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 82, tab. I [remarks].

Remarks: Scleractinia. - Associated with pocilloporid corals.

***Vir orientalis* (Dana, 1852)**

1922 *Palaemonella orientalis*, - Kemp, Rec. Indian Mus., 24: 131-134, figs. 9-11.

1952 *Vir orientalis*, - Holthuis, Siboga Exped., 39 (a10) (11): 30.

1953 *Vir orientalis*, - Holthuis, Atoll. Res. Bull., 24: 55.

1972 *Vir orientalis*, - Bruce, Pac. Sci., 26: 65-67, fig. 1.

1974 *Vir orientalis*, - Bruce, J. mar. biol. Ass. India, 16 (2): 485.

1976 *Vir orientalis*, - Bruce, Zool. J. Linn. Soc., 59: 95, 144.

1976 *Vir orientalis*, - Bruce, Zool. Verh., Leiden, 145: 5.

1977 *Vir orientalis*, - Bruce, Atoll Res. Bull., 205: 2.

1981 *Vir orientalis*, - Bruce, Micronesica, 17 (1): 79.

1990 *Vir orientalis*, - Bruce, The Beagle, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: E-Australia (Osprey Reef, Coral Sea); Sulu Sea; Kenya (Watamu; Malindi; Bamburi); Zanzibar (Pungume reef); Seychelles (Praslin, Baie St. Anne); Andaman Islands; Macclesfield Bank, Sulu Sea; Mariana Islands (lagoon west of Saipan; off Unai Dikiki Matuis, NW Saipan); South China Sea; Fiji (Viti Levu, Naviti, Sigatoka); Marianne Islands; Hawaii.

Depth range: 0.5-10m.

Habitat: Shallow water coral reef locations.

Host: Echinodermata: Crinoidea; Scleractinia. - undetermined crinoid; *Acropora*, *Pocillopora damicornis* (L.), *Pocillopora verrucosa*, *Stylophora erythraea* von Marenzeller, *Stylophora pistillata* (Esper), (Lam.) (Scleractinia).

Remarks: "A small species that is easily overlooked and usually only present in small numbers in a host colony". "The association with a crinoid reported by De Man (1888) is considered to be erroneous" (Bruce 1976: Zool. J. Linn. Soc.: 95).

Vir philippinensis Bruce & Svoboda, 1984

- 1984 *Vir philippinensis* Bruce & Svoboda, Asian Mar. Biol., 1: 87-94, figs. 1-4.
 1990 *Vir philippinensis*, - Bruce, The Beagle, 7 (2): 13, 17, tab. 1, 19, tab. 2.

Distribution: Australia (Queensland: Fitzroy Reef; off Lizard Island); Philippines (Cebu); Ryukyu Islands (Okinawa).
 Depth range: 8-30m.
 Habitat: coral reefs.
 Host: Scleractinia. - *Pleurogyra sinuosa*, *Euphyllia* sp., *Fungia*.

Waldola Holthuis, 1951

- 1951 *Waldola* Holthuis, Allan Hancock Found. Occ. Pap., 11: 185-186 [diagnosis].
 1976 *Waldola*, - Bruce, in: Biology and Geology of Coral Reefs (Jones & Endean eds.), Academic Press: 83, tab. I [remarks].

Remarks: Probably a coelenterate commensal but host unknown.

Waldola schmitti Holthuis, 1951

- 1951 *Waldola schmitti* Holthuis, Allan Hancock Found. Occ. Pap., 11: 186-189, pl. 58, figs. a-j, pl. 59, figs. a-f.

Distribution: E-Pacific. - Mexico; Colombia (Cabita Bay near Cape Corrientes; off Isla Gorgona).
 Depth range: 18-46m.
 Habitat: sand, rocks, shells and mud.

Zenopontonia Bruce, 1975

- 1975 *Zenopontonia* Bruce, Crustaceana, 28 (3): 275-277 [diagnosis, remarks].

Zenopontonia noverca (Kemp, 1922)

- 1922 *Periclimenes* (*Periclimenes*) *noverca* Kemp, Rec. Indian Mus., 24: 162-165, figs. 28-30.
 1971 *Periclimenes noverca*, - Bruce, Zool. Verh., 114: 15-18, fig. 6.
 1974 *Zenopontonia noverca*, - Bruce, J. mar. biol. Ass. India, 16 (2): 485.
 1975 *Zenopontonia noverca*, - Bruce, Crustaceana, 28 (3): 277-280.
 1978 *Zenopontonia noverca*, - Bruce, Zool. J. Linn. Soc., 62: 287 [text].
 1980 *Zenopontonia noverca*, - Bruce, Cah. Indo-Pac., 2 (1): 33-34, fig. 13c-h.
 1981 *Zenopontonia noverca*, - Bruce, Atoll. Res. Bull., 245: 25.
 1982 *Zenopontonia noverca*, - Bruce, Mem. Austr. Mus., 16: 204 [asteroid host records].
 1983 *Zenopontonia noverca*, - Bruce, Austr. Mus. Sydney, Mem., 18: 213.
 1990 *Zenopontonia noverca*, - Bruce, The Beagle, 7 (2): 17, tab. 1, 19, tab. 2.

Distribution: Indo-Pacific - Zanzibar (Bat and Grave

Islands; Mazizini Bay; off Shangani, Zanzibar Town; Zanzibar Harbour); Madagascar (Nosy Bé); Australia (Queensland: Bowen Island; Heron Island, Wistari Reef); New Caledonia (Nouméa, Ilot Maitre).

Depth range: 0.5-25m.

Habitat: coral reef flats and sandy weed flats.

Host: Echinodermata: Asteroidea. - *Halityle regularis* Fisher, *Poraster superbus* (Möbius), *Protoreaster lincki* Blainville, *Pentaceraster mammilatus* (Audouin), *P. tuberculatus* (Müller & Troschel), *Poraster superbus* (Möbius) in Zanzibar, *Culcida schmideliana* (Retzius) in Madagascar; *Culcita novaeguineae*; *Pentaceraster alveolatus* (Perrier) Müller & Tröschel; *P. hawaiiensis* (Fisher) (Echinodermata: Asteroidea).

Remarks: inhabits most often the dorsal side of the starfish.

Species incertae in alphabetic order (adopted from Holthuis, for further information see Holthuis, 1950: 19-21)

Anchistia brachiata Stimpson, 1860 (Synonyms: *Periclimenes brachiatus* Borradaile, 1898; *Periclimenes (Falciger) brachiatus* Borradaile, 1917).

Anchistia danae Stimpson, 1860 (Synonyms: *Periclimenes danae* Borradaile, 1898; *Periclimenes (Falciger) danae* Borradaile, 1917).

Coralliocaris lamellirostris Stimpson, 1860.

Coralliocaris superba var. *japonica* Ortman (1890).

Harpilius spinuliferus Miers, 1884 (Synonym: *Anchistus spinuliferus* Borradaile, 1898).

Marygrande mirabilis Pesta, 1911 (Synonym: *Anchistus mirabilis* Borradaile, 1917).

Palaemonella affinis Zehntner, 1894.

Palaemonella batei Borradaile, 1917.

Palaemonella biunguiculata Nobili, 1904.

Pelias notatus Heller, 1862 (Synonyms: *Anchistia notata* Heller, 1865; *Periclimenes (Cristiger) notatus* Borradaile, 1917).

Periclimenes brevinaris Nobili, 1906 (Synonyms: *Periclimenes borradailei* Nobili, 1905; *Periclimenes (Cristiger) brevinaris* Borradaile, 1917; *Periclimenes (Ancylocaris) brevinaris* Kemp, 1922).

Periclimenes lifuensis Borradaile, 1898 (Synonyms: *Periclimenes (Falciger) lifuensis* Borradaile, 1917; *Periclimenes (Ancylocaris) lifuensis* Kemp, 1922).

Periclimenes parasiticus Borradaile, 1898 (Synonym: *Periclimenes (Cristiger) parasiticus* Borradaile, 1917).

Periclimenes pusillus Rathbun, 1906 (Synonyms: *Periclimenes (Cristiger) pusillus* Borradaile, 1917; *Periclimenes (Ancylocaris) pusillus* Kemp, 1922).

Pontonia armata H. Milne Edwards, 1837 (Synonymy: *Anchistus (?) armatus* Borradaile, 1898).

Pontonia maculata Stimpson, 1860.

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