

WORLD CATALOGUE AND BIBLIOGRAPHY OF THE RECENT STOMATOPODA

compiled and distributed by

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Stomatopod crustaceans are common members of benthic ecosystems in tropical and subtropical marine and brackish waters throughout the world. Few species are known from temperate seas. In the northern hemisphere some species were reported in Japan as far north as Hokkaido, and in the U.S.A. as far north as Massachusetts. In the eastern Atlantic area the northern limit is the sea around Ireland. The southern limits of their distribution are the south coasts of Australia and South Africa. Larval development occurs in the plankton. Stomatopods are raptorial predators, which construct burrows in level bottoms, or live in crevices and holes of hard substrates. The present compilation gives detailed information to all the 412 species known up to now.

The reality: Taxonomy is a confusing subject, especially when somebody is not a taxonomic specialist for the respective animal group and only attempts to determine species within the scope of a non-taxonomic study. New species and subspecies are described, others are synonymized, or subspecies/varieties are raised to species level. Moreover, as a matter of fact, taxonomists often have different opinions to assign a species to a certain genus, with the result, that often different names are given for the same species. Descriptions are sometimes too poor to allow a reliable determination. Fortunately, several revisions, reviews and redescriptions are available for the Stomatopoda, though numerous short publications are scattered over many journals. The latter situation still causes several difficulties for non-taxonomic scientists, who want to determine their specimens and this was the fundamental idea for this contribution.

All species of recent Stomatopoda are listed herein. At least one reference is given, which allows a determination of the respective species, or summarizes the information of older contributions. For convenience, superfamilies, families, tribes, genera and species are arranged in alphabetic order. All but two species were checked from the original descriptions or redescriptions.

This compilation was also made as an aid for myself, to seize the information available for coral reef inhabiting mantis 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

some information about what was made in this group in the past decades and curators of museums to manage their collection of Stomatopoda. Up-date versions will be prepared in certain intervals.

There are certain arguments, that speak for publishing such a catalogue also on computer disk, instead of distributing it in the traditional way, exclusively as a printed book. From the financial point of view, the former way is considerably cheaper and allows new editions in short intervals. If you prefer to have parts of this catalogue printed, or to copy parts of the text into your own data files, you can do it yourself easily. The layout is prepared, genus and species names written in italics. Using the electronically published version, you are able to locate a certain species in the file VARO.CAT easily with the search-key of "Word Perfect 5.1". This allows convenient access to the respective species or higher taxa, even when only older names/synonyms are available to you.

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 the most substantial information, which is (surely) subjective to some extend. For example, when a species is mentioned only in a key in a certain paper, this is not always 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 respective families, subfamilies and genera. The inclusion of recent literature-references has been given priority, because these papers usually summarize information of older publications. The systematic part gives some additional information about the geographic distribution, vertical range, habitat, and size (total length) of the respective species. The colouration may be an important aid for determination in "difficult" genera. For this reason I mentioned those references, where the colouration, or at least pigment pattern of species is described.

A complete bibliography of publications reporting on Stomatopoda is available in the file VARO.LIT on the second floppy disc. I included all references reporting on mantis shrimps that came to my until the end of November 1994.

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prefer registered air-mailing for the printed version. The contents of the electronically published version and printed version are identical, except for the lack of an index in the former (because instead of this you can use the search-key to locate certain terms).

Helpful suggestions for improvement of this catalogue are always welcome.

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How to use this catalogue in your computer

For locating a certain species with the search-key of "Word Perfect", consider the following hints:

1. Typewrite the name of the species you are looking for, but ignore the name of the author and the year of the original description. Ignore also subgenera, 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. Unfortunately, one is sometimes confronted with erroneous assignments of species. To avoid such problems I suggest to use for determinations only the most recent literature.

3. For location of certain countries, use only the current name, i.e. Sri Lanka instead of Ceylon, Taiwan instead of Formosa. I found it to costly in this catalogue to summarize in each case the species known from a certain country, because many species are widely distributed in the Indo-Pacific and cannot be assigned to a certain country, when they have been caught offshore.

References to major contributions on Stomatopoda

- 1913 Kemp, Mem. Indian Mus., 4 (1): 1-217, pls. I-X [revision of the Indo-West Pacific Stomatopoda]; 200-204 [checklist of species from America-Pacific; Atlantic and Mediterranean Sea]; 205 [list of doubtful species].
- 1938 Balss, Stomatopoda, in: Klassen und Ordnungen des Tierreichs, Bd. 5, Buch 6, pt. II: 1-173 [history, anatomy, development, ecology, systematics, biogeography, paleontology and bibliography]. < The most comprehensive compilation of the older information on Stomatopoda.
- 1955 Stephenson & McNeil, Rec. Austr. Mus., 23 (5): 239-262 [compilation of Australian species]; 255-258 [key to Australian species].
- 1961 Manning, Allan Hancock Atl. Exped., Rep. 9: 3, tab. 2 [analogous species of Stomatopoda occurring on either side of the Panamá land bridge], 6 [key to W-Atlantic genera of Stomatopoda].
- 1963 Manning, Bull. mar. Sci. Gulf Caribb., 13 (3): 428, tab. 1 [tabulation of the information available on spawning of Stomatopoda up to then].
- 1966 Manning, Rec. Austr. Mus., 27: 84-85 [key to genera from Australia].
- 1967 Holthuis, Crustaceorum Catalogus, I: 1-28 [synonymy, older references to biology, development, regional monographs and checklists].
- 1967 Holthuis, Isr. J. Zool., 16: 38-42 [checklist of Red Sea Stomatopoda].
- 1972 Dingle, in: Winn & Olla (eds.), Behavior of marine animals, Plenum Press: 126-156, figs. 1-2, tabs. 1-9 [aggressive behaviour].

- 1986 Caldwell, in: Mitchell & Thompson (eds.), *Deception: perspectives on human and nonhuman deceit*, pp. 129-143 [behaviour; deceptive use of reputation].
- 1968 Tirmizi & Manning, *Proc. U.S. natn. Mus.*, 125 (3666): 1-4 [general remarks on species from Pakistan]; 4-5 [checklist and distribution of species from the NW Indian Ocean]; 8 [key to families in NW Indian Ocean].
- 1969 Manning, *Stud. Trop. Oceanogr.*, 8, *Inst. mar. Sci.*, Univ. Miami, 380pp. [monograph of W-Atlantic species].
- 1969 Manning, *Smiths. Contr. Zool.*, 1: 3 [checklist of species recorded from southern Mozambique and South Africa]; 3-4 [key to species from South Africa and the nearby area of southern Mozambique].
- 1972 Manning, *Proc. biol. Soc. Wash.*, 85 (24): 304-306 [key to the Stomatopoda from Peru].
- 1973 Camp, *Mem. Hourglass Cruises*, 3 (2): 7-10 [key to species from the Gulf of Mexico] 72-86 [detailed discussion of species caught by the Hourglass Cruises].
- 1974 Manning, NOAA Tech. Rep. NMFS Circ-387: 1-6 [illustrated key to the Stomatopoda of the inner continental shelf of the Northeastern U.S.A.].
- 1975 Moosa, *Mar. Res. Indonesia*, 15: 2-3 [checklist of species known from Seribu Islands, Indonesia].
- 1976 Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 49pp. [illustrated key and annotated species list to the stomatopods of the Indian River Region, Florida; unpublished manuscript].
- 1976 Caldwell & Dingle, *Sci. Amer.*, 234 (1): 81-89, figs. [popular scientific account on morphology and behaviour].
- 1977 Dingle, Caldwell & Manning, *Phuket Mar. Biol. Res. Center, Res. Bull.*, 20: 1-20 [illustrated compilation of species occurring at Phuket Island, Thailand; spatial distribution on a coral reef].
- 1977 Manning, *Atlantide Rep.*, 12: 1-182 [monograph of W-African stomatopods]; 27-32 [general remarks]; 32-33 [history]; 33 [key to families of Stomatopoda]; 151-159 [numerous larval records and synonymy]; 160-173 [zoogeography].
- 1979 Reaka, *Biol. Bull.*, 156: 328-342 [patterns of molting frequencies].
- 1979 Reaka, *Belle W. Baruch Libr. mar. Sci.*, 9: 235-260, tabs. 1-8 [evolutionary ecology of life history patterns].
- 1980 Manning, *Proc. biol. Soc. Wash.*, 93 (2): 368-369 [key to recent superfamilies and families of Stomatopoda].
- 1980 Reaka & Manning, *Smiths. Contr. mar. Sci.*, 7: 1-29 [compendium of Pacific Costa Rica stomatopods, ecology, zoogeography]; 5-6 [checklist of E-Pacific Stomatopoda]; 18-21 [habitat and associations]; 21-24 [zoogeography].
- 1981 Kunze, *Phil. Trans. R. Soc. (B)* 292 (1059): 255-325 [detailed account on functional morphology].
- 1981 Reaka & Manning, *J. Crust. Biol.*, 1 (3): 309-325 [relationship of behavior to rates of evolution].
- 1984 Ghosh, *Bull. zool. Surv. India*, 6 (1-3): 261-262 [key to species recorded from Goa, India].
- 1985 Biscoito, *Bol. Mus. Mun. Funchal*, 37 (170): 172-173 [key to Madeiran species, Portugal].
- 1985 Gómez & Ortiz, *Revta. Invest. Mar.*, 6 (2-3): 39-43 [checklist and bibliography of species from Cuba].
- 1986 Manning, in: Sterrer, *Marine fauna and flora of Bermuda*; Wiley Intersci. Publ.: 307-310, pls. 97-98 [pictured guide to species from Bermuda].
- 1986 Manning & Lewinsohn, *Smiths. Contr. Zool.*, 433: 15-16 [checklist and zoogeography of species from the Red Sea].
- 1987 Caldwell, *Bull. mar. Sci.*, 41 (2): 135-147 [behaviour; assessment strategies].
- 1987 Reaka, *Bull. mar. Sci.*, 41 (2): 108-130 [adult-juvenile interactions].
- 1987 Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich

- (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 181-190 [species from Enewetak Atoll, biogeography, behaviour and habitat].
- 1988 Bruce, The Beagle, Rec. Northern Territory Mus. Arts Sci., 5 (1): 90-95 [remarks on mouthpart morphology].
- 1988 Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 653-661 [compilation of the stomatopod types in the Zoological Survey of India, Calcutta].
- 1989 Reaka & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 251-263, fig. 1 [techniques for sampling Stomatopoda].
- 1989 Froggia & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 265-273 [illustrated checklist and key to adult species in the Mediterranean Sea].
- 1990 Manning, Steenstrupia, 16 (6): 103-105 [key to the Stomatopoda from the Persian Gulf and adjacent Arabian Sea].
- 1990 Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 77-82, fig. 1 [distribution map] [summary of host records of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869].
- 1991 Caldwell, in: Bauer & Martin (eds.), Crustacean sexual biology, Columbia Univ. Press: 67-90 [variation in reproductive behaviour].
- 1991 Manning, Smiths. Contr. Zool., 521: 13-15 [tabulation of Stomatopoda from depths greater than 400m].
- 1992 Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 151-152, tab. 1 [list of the 69 species collected in New Caledonian lagoons], 153-161 [distribution of species in New Caledonian lagoons, ecology, biogeography].
- 1993 Manning & Camp, Proc. biol. Soc. Wash., 106 (1): 88 [key to superfamilies of recent Stomatopoda].
- 1993 Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list and distribution of the 20 East American species described since 1969]

A selection of the major contributions on stomatopod larvae

Few larvae described in the literature can be assigned to a species of mantis shrimp with certainty. Those cases, where identification is possible without any doubt, have been included in this catalogue under the respective species. These are almost always species, which have been reared to adults in the laboratory from larvae collected in the field, or, which have been reared in the laboratory from eggs of adult specimens, which could be determined previously.

- 1886 Brooks, Rep. sci. Res. expl. Voyage Challenger, Zool. 16: 81-114, pls. [descriptions and remarks on larvae caught during the Challenger expedition].
- 1904 Jurich, Wiss. Ergebn. dt. Tiefsee-Exped. "Valdivia", 7: 377-405 [larvae caught during German deep-sea expedition].
- 1911 Steuer, Sitz.-Ber. Akad. Wiss. Wien, 120 (1): 731-742 [larvae and adults from the Adriatic Sea, Mediterranean].
- 1926 Hansen, Siboga Exped. Monogr., 35: 39-48 [larve caught during Siboga-expedition].
- 1932 Foxon, Sci. Rep. Great Barrier Reef Exped., 4 (11): 375-398 [larvae from Australian Great Barrier Reef].
- 1934 Alikunhi, Rec. Indian Mus., 36: 17-43 [larvae from India, Bay of Bengal and

Mahanadi Estuary]

- 1934 Lebour, Mem. Mus. Roy. Hist. Nat. Belg., 3 (16): 9-17 [East Indian larvae].
- 1939 Foxon, Sci. Rep. John Murray Exped., 1933-34, 6 (6): 251-266 [larvae from John Murray expedition].
- 1942 Alikunhi & Aiyar, Current Sci., 11 (2): 56-58 [larvae from Indian (Madras) plankton].
- 1946 Gurney, Proc. zool. Soc. Lond., 116: 133-175 [general account on stomatopod larvae].
- 1952 Alikunhi, Rec. Indian Mus., 49 (3-4): 239-319 [larvae from Indian (Madras) plankton].
- 1953 Townsley, Pac. Sci., 7: 425-437 [larvae from Hawaii].
- 1957 Gohar & Al-Kholy, Publ. Mar. Biol. Stat. Al Ghardaqua, 9: 85-130, pls. figs. [larvae from Egypt, Red Sea].
- 1959 Alikunhi, J. Zool. Soc. India, 10 (2) (1958): 120-147 [larvae from Indian plankton (Bay of Bengal)].
- 1965 Alikunhi, Proc. Symp. Crustacea, part 1, Symp. Ser. 2, Mandapam, India: 824-937, pls. I-III [larvae and development of stomatopods of the Madras coast, India].
- 1966 van der Baan & Holthuis, Neth. J. Sea Res., 3 (1): 1-12 [larvae in the North Sea].
- 1966 Verwey, Neth. J. Sea Res., 3 (1): 13-20 [origin of North Sea larvae].
- 1967 Alikunhi, Proc. Symp. Crustacea, Mar. biol. Ass. India, pt. 2: 824-939 [larvae from India, Madras coast].
- 1967 Ingle & Della Croze, Boll. Mus. Ist. biol. Univ. Genova, 35: 55-74 [larvae from the Mozambique Channel].
- 1967 Jacques & Thiriout, Vie Milieu, 18B: 367-380 [larve from the Mediterranean Sea of France, area off Banyuls-sur-mer].
- 1967 Williamson, Bull. Sea Fish. Res. Stat. Israel, 45: 32-64 [larvae from the Mediterranean Coast of Israel].
- 1968 Michel, Cah. O.R.S.T.O.M., sér. Océanogr., VI (1): 13-41, pls. I-VI, figs. 1-6, tabs. 1-3 [origin of stomatopod larvae in the eastern Indian Ocean].
- 1969 Dingle, Crustaceana, 16: 108-110 [ontogenetic changes in photaxis and thigmokinesis].
- 1969 van der Baan & Holthuis, Neth. J. Sea Res., 4 (3): 350-353 [larvae in the North Sea].
- 1970 Williamson, Bull. Sea Fish. Res. Stat. Israel, 56 (45): 40-43 [larvae from the east coast of the Sinai Peninsula, Red Sea].
- 1975 Shanbhogue, - J. mar. biol. Ass. India, 17 (2): 196-237 [descriptions of larvae from the Arabian Sea; list of larvae from the Indian Ocean].
- 1978 Provenzano & Manning, Bull. mar. Sci., 28 (2): 310, tab. 4 [list of stomatopod larvae identified by hatching from eggs], 311-314, tab. 5 [list of stomatopod larvae identified through metamorphosis in laboratory].
- 1983 Ozel & Koray, Rapp. P.-v. Reun. Comm. int. Explor. sci. Mer. Mediterr., 28 (9): 135-136 [larvae from the Mediterranean Sea].
- 1986 Ingle, Senckenbergiana biol., 67 (4-6): 401-410 [larvae from the Red Sea, MESEDA Expedition].
- 1987 Paulinose, Mahasgar, 20 (2): 99-107 [larvae from the Arabian Sea].
- 1988 Paulinose, Nair & Goswami, Mahasgar, 21 (3): 135-143 [larvae from India (Bay of Bengal)].

Further information is available in the bibliography and under the respective species. Typewrite "larvae" in the file VARO.LIT and move through the text with the search-key of Word Perfect.

SYSTEMATIC PART

Superfamily **Bathysquilloidea**

- 1967 Bathysquilloidea Manning, Crustaceana, 13 (2): 238 [diagnosis, remarks].
 1980 Bathysquilloidea, - Manning, Proc. biol. Soc. Wash., 93 (2): 365 [diagnosis].

Bathysquillidae

- 1967 Bathysquillidae Manning, Crustaceana, 13 (2): 238 [diagnosis, remarks].
 1968 Bathysquillidae, - Manning, Bull. mar. Sci., 18 (1): 113 [diagnosis, remarks].
 1969 Bathysquillidae, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 94 [diagnosis, remarks].
 1980 Bathysquillidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 365 [diagnosis, including genera].
 1985 Bathysquillidae, - Bruce, J. Crust. Biol., 5 (3): 474 [key to genera].
 1990 Bathysquillidae, - Manning, Kropp & Dominguez, Proc. Oceanogr., 24: 311-316 [detailed account on the biogeography of the family].

Altosquilla Bruce, 1985

- 1985 *Altosquilla* Bruce, J. Crust. Biol., 5 (3): 468 [diagnosis].

Altosquilla soelae Bruce, 1985

- 1985 *Altosquilla soelae* Bruce, J. Crust. Biol., 5 (3): 469-475, figs. 1-3, 4A, 5.
 1990 *Altosquilla soelae*, - Manning, Kropp & Dominguez, Proc. Oceanogr., 24: 312, fig. 1 [in distr. map].
 1991 *Altosquilla soelae*, - Manning, Smiths. Contr. Zool., 521: 13 [tab.].

Distribution: Australia (Northwest Shelf area).
 Depth range: 396-458m.
 Colour note: Bruce (1985: 473).
 Size: ♀, 88-120mm; ♂, 119mm.

Bathysquilla Manning, 1963

- 1963 *Bathysquilla* Manning, Bull. mar. Sci., 13 (2): 323-324 [diagnosis, remarks].
 1967 *Bathysquilla*, - Holthuis, Crustaceorum Catalogus, I: 27.
 1971 *Bathysquilla*, - Ingle & Merrett, Crustaceana, 20: 193 [diagnosis].
 1969 *Bathysquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 94-95 [diagnosis, remarks].

Bathysquilla crassispinosa (Fukuda, 1910)

- 1910 *Lysiosquilla crassispinosa* Fukuda, Annot. Zool. Japon, 7 (12): 146-149, pl. IV, figs. 4, 4a.
 1929 *Lysiosquilla crassispinosa*, - Gordon, Ann. Mag. nat. Hist., 10 (4): 462, figs. 1-2.

- 1938 *Lysiosquilla crassispinosa*, - Komai, Ann. Zool. Japon., 17: 269-271, fig. 1.
 1950 *Lysiosquilla crassispinosa*, - Barnard, Ann. S. Afr. Mus., 43 (1): 859-860, fig. 3b.
 1967 *Bathysquilla crassispinosa*, - Holthuis, Catalogus Crustaceorum, 1: 27-28 [complete synonymy].
 1971 *Bathysquilla crassispinosa*, - Ingle & Merrett, Crustaceana, 20: 197.
 1976 *Bathysquilla crassispinosa*, - Manning, Proc. biol. Soc. Wash., 89 (38): 440-443, figs. 1a-c, 2.
 1985 *Bathysquilla crassispinosa*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 371, pl. I, fig. A-B.
 1988 *Bathysquilla crassispinosa*, - Bruce, The Beagle, Rec. Northern Territory Mus. Arts Sci., 5 (1): 87-90, figs 1A-C, 2, 3A-H, 4A, 5, Frontispiece A).
 1990 *Bathysquilla crassispinosa*, - Manning, Kropp & Dominguez, Proc. Oceanogr., 24: 312, fig. 1 [in distr. map].
 1991 *Bathysquilla crassispinosa*, - Manning, Smiths. Contr. Zool., 521: 1-3, figs. 1-2 [larva]; 13 [tab.].

Distribution: Indo-West Pacific. - Mozambique; South Africa (north of Durban); Madagascar; Philippines (off Luzon); South China Sea; off Australia (Coral Sea); Japan (Sagami Bay; off Owase; Tosa Bay, Shikoku Island).

Depth range: 170-1519m; larvae to 5000m.

Colour note: Komai (1938: 270) and Bruce (1988: 89-90).

Size: ♀, 217-280mm; ♂, 200-297mm; larva 40mm.

Remarks: This largest species of Bathysquillidae shows apparently no correlation between body size and depth.

***Bathysquilla microps* (Manning, 1961)**

- 1961 *Lysiosquilla microps* Manning, Ann. Mag. nat. Hist., 3 (13): 693-696, fig. 5, pls. 10-11.
 1967 *Bathysquilla microps*, - Holthuis, Catalogus Crustaceorum, 1: 28 [references].
 1969 *Bathysquilla microps*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 95-99, figs. 26-28.
 1976 *Bathysquilla microps*, - Manning, Proc. biol. Soc. Wash., 89 (38): 443-446, figs. 1d-f, 2.
 1985 *Bathysquilla microps*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 371-373, fig. 1.
 1988 *Bathysquilla microps*, - Bruce, The Beagle, Rec. Northern Territory Mus. Arts Sci., 5 (1): 90-95, figs. 1D-F, 5, Frontispiece B).
 1990 *Bathysquilla microps*, - Manning, Kropp & Dominguez, Proc. Oceanogr., 24: 314.

Distribution: probably widely distributed in deep water of the Atlantic and Indo-Pacific. - Bahamas (Santaren Channel); Florida (off Cape Canaveral and SE Tortugas); Gulf of Mexico (S of Panama City, Florida; Bay of Campeche); off Suriname; French Guiana. - Philippines; Australia Philippines (off Luzon); Mariana Islands (Guam, between Agana and Agat); Hawaii (near Maui).

Depth range: 604-1519m.

Colour note: apparently colour polymorphic, see Manning (1976: 445), Bruce (1988: 90) and Manning (1969: 98).

Size: ♀, 53-255mm; ♂, 45-220mm.

Remarks: Like *B. crassispinosa*, the deepest living stomatopod species apparently shows no correlation between size and depth.

Indosquilla Ingle & Merrett, 1971

1971 *Indosquilla* Ingle & Merrett, *Crustaceana*, 20: 193 [diagnosis].

Indosquilla manihinei Ingle & Merrett, 1971

1971 *Indosquilla manihinei* Ingle & Merrett, *Crustaceana*, 20: 193-197, figs. 1-9, pl. I.

1990 *Indosquilla manihinei*, - Manning, Kropp & Dominguez, *Proc. Oceanogr.*, 24: 314-315.

1991 *Indosquilla manihinei*, - Manning, *Smiths. Contr. Zool.*, 521: 13 [tab.].

Distribution: W-Indian Ocean (S of Menai Island, Cosmoledo Atoll); Mariana Islands (off Pagan).

Depth range: 420-586m.

Habitat: has been found "among the gill rakers in the mouth of the percomorph fish *Etelis marshi*" (Ingle & Merrett, 1971: 193).

Colour note: Ingle & Merrett (1971: 193).

Size: ♀, 160mm; ♂, 176mm.

Remarks: probably a neotenous species, cf. (Ingle & Merrett, 1971: 197), and reference Manning, Kropp & Dominguez (1990: 315) in chapter bibliography.

Erythroquilloidea

1993 *Erythroquilloidea* Manning & Camp, *Proc. biol. Soc. Wash.*, 106 (1): 87-88 [diagnosis, remarks]

Erythroquillidae

1984 *Erythroquillidae* Manning & Bruce, *J. Crust. Biol.*, 4 (2): 328 [diagnosis].

Erythroquilla Manning & Bruce, 1984

1984 *Erythroquilla* Manning & Bruce, *J. Crust. Biol.*, 4 (2): 329-332 [diagnosis].

Erythroquilla megalops Manning & Bruce, 1984

1984 *Erythroquilla megalops* Manning & Bruce, *J. Crust. Biol.*, 4 (2): 329-332, fig. 1.

1993 *Erythroquilla megalops*, - Manning & Camp, *Proc. biol. Soc. Wash.*, 106 (1): 86, fig. 1.

Distribution: off Somalia.
 Depth range: 75-175m.
 Size: ♀, 105mm.

Superfamily **Gonodactyloidea**

- 1980 Gonodactyloidea, - Manning, Proc. biol. Soc. Wash., 93 (2): 365 [diagnosis, including families].

Alainosquillidae

- 1991 Alainosquillidae Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 167 [diagnosis, remarks].

Alainosquilla Moosa, 1991

- 1991 *Alainosquilla* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 167 [diagnosis, remarks].

Alainosquilla foresti Moos, 1991

- 1991 *Alainosquilla foresti* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 169, fig. 3.

Distribution: New Caledonia.
 Depth range: 110-200m.
 Colour note: Moosa (1991: 169).
 Size: ♀, 13-17mm; ♂, 9-15mm.

Eurysquillidae

- 1977 Eurysquillidae, - Manning, Atlantide Rep., 12: 33-34 [diagnosis, remarks, key to general]; 34-35 [key to E-Atlantic genera and species of family].
 1980 Eurysquillidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 365 [diagnosis, including general].
 1984 Eurysquillidae, - Hendrickx, Rev. Biol. Trop., 32 (2): 271-272 [remarks on E-Pacific species].

Coronidopsis Hansen, 1926

- 1926 *Coronidopsis* Hansen, Siboga Exped. Monogr., 35: 19 [diagnosis, remarks].
 1963 *Coronidopsis*, - Manning, Bull. mar. Sci., 13 (2): 313-314 [diagnosis, remarks].
 1982 *Coronidopsis*, - Manning & Garcia, J. Crust. Biol., 2 (4): 593 [remarks], 594 [key to species]

***Coronidopsis bicuspis* Hansen, 1926**

- 1926 *Coronidopsis bicuspis* Hansen, Siboga Exped. Monogr., 35: 19-21, pl. 1, fig. 7a-g.
- 1976 *Coronidopsis andamanensis* Makarov, Zool. Zh., 55: 1909-1912, figs. 1-2.
- 1982 *Coronidopsis andamanensis*, - Manning & Garcia, J. Crust. Biol., 2 (4): 594-595, fig. 1a-b.
- 1982 *Coronidopsis bicuspis*, - Manning & Garcia, J. Crust. Biol., 2 (4): 595, fig. 1c-d.
- 1984 *Coronidopsis bicuspis*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 422-423, fig. 1a-c.
- 1984 *Coronidopsis bicuspis*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 74.
- 1991 *Coronidopsis bicuspis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 151.

Distribution: Seychelles; Andaman Sea; Indonesia (Banda Sea, between islands Wowoni and Buton; Makassar Strait); New Caledonia.

Depth range: 60-96m.

Habitat: "inhabits mud and shelly grit bottom" (Moosa, 1991: 151); "sand with dead shells" (Hansen, 1926: 19); in lagoons.

Colour note: Manning & Garcia (1982: 595).

Size: ♀, 52.5mm; ♂, 28-62mm.

***Coronidopsis nudus* Blumstein, 1974**

- 1974 *Coronidopsis nudus* Blumstein, Crustaceana, 26 (2): 124-126, fig. 10.

Distribution: Viet Nam (Gulf of Tonkin).

Depth range: 56m.

Size: ♂, 19mm.

***Coronidopsis serenei* Moosa, 1973**

- 1973 *Coronidopsis serenei* Moosa, Mar. Res. Indonesia, 13: 5-7, fig. 1.
- 1974 *Coronidopsis bicuspis*, - Blumstein, Crustaceana, 26: 124, fig. 9 [non *C. bicuspis* Hansen, 1926].
- 1974 *Coronidopsis bicuspis*, - Blumstein, Crustaceana, 26: 124, fig. 10.
- 1978 *Coronidopsis gurjanovae* Makarov, Zool. Zh., 57: 181-183, pl. 3.
- 1982 *Coronidopsis serenei*, - Manning & Garcia, J. Crust. Biol., 2 (4): 595-598, figs. 1e, f, 2-3.
- 1985 *Coronidopsis serenei*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 373-374.

Distribution: Indonesia (off Elat Bay, W of Nuhu Tjuit Island, Maluku); Vietnam (Tonkin Bay); South China Sea; Philippines.

Depth range: 16-89m.

Habitat: muddy sand; muddy sand and clay, with shells.

Colour note: Moosa (1973: 7).

Size: ♀, 18-39mm; ♂, 24-29.5mm.

***Eurysquilla* Manning, 1963**

- 1963 *Eurysquilla* Manning, Bull. mar. Sci., 13 (2): 314-315 [diagnosis, remarks, checklist of species].
- 1969 *Eurysquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 248-250 [diagnosis, remarks, key to W-Atlantic species].
- 1977 *Eurysquilla*, - Manning, Atlantide Rep., 12: 35 [remarks].

***Eurysquilla chacei* Manning, 1969**

- 1969 *Eurysquilla chacei* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 257-259, fig. 72.
- 1991 *Eurysquilla chacei*, - Manning, Smiths. Contr. Zool., 521: 13 [tab.].

Distribution: tropical NW-Atlantic. - Little Bahama Bank.
 Depth range: 419m.
 Size: ♀, 49.5mm.

***Eurysquilla crosnieri* Moosa, 1991**

- 1991 *Eurysquilla crosnieri* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 151-153, fig. 1.

Distribution: New Caledonia.
 Habitat: in lagoon.
 Size: ♀, 38mm.

***Eurysquilla foresti* Moosa, 1985**

- 1985 *Eurysquilla foresti* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 374-376, fig. 2.

Distribution: Philippines.
 Depth range: 170-200m.
 Colour note: Moosa (1985: 376).
 Size: ♀, 37-58mm; ♂, 42-48mm.

***Eurysquilla galathea* Manning, 1977**

- 1977 *Eurysquilla galathea* Manning, Atlantide Rep., 12: 35-38, figs. 4-5, 53.
- 1991 *Eurysquilla galathea*, - Manning, Smiths. Contr. Zool., 521: 3.

Distribution: Gulf of Guinea. - Angola (Loana-Lobito);
 Gambia (off Bathurst).
 Depth range: 18-100m.
 Habitat: clayey sand; very fine sand.
 Colour note: Manning (1977: 37).
 Size: ♂, 31mm; juv. ♀, 15mm.

***Eurysquilla holthuisi* Manning, 1969**

1969 *Eurysquilla holthuisi* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 259-262, fig. 73.

Distribution: tropical NW-Atlantic. - off Panamá.

Depth range: 273-291m.

Colour note: Manning (1969: 261).

Size: ♀, 34.8mm.

***Eurysquilla leloeuffi* Manning, 1977**

1977 *Eurysquilla leloeuffi* Manning, Atlantide Rep., 12: 39-42, figs. 6, 53.

Distribution: E-Atlantic. - Ivory Coast (Grand Bassam; Abidjan).

Depth range: 20-30m.

Habitat: "fine quartzy muddy sand"; "fine sandy mud" (Manning, 1977: 39).

Colour note: Manning (1977: 41).

Size: 14-33mm; juv. ♂, 13mm.

***Eurysquilla maiaguensis* (Bigelow, 1901)**

1901 *Lysiosquilla maiaguensis* Bigelow, Bull. U.S. Fish. Comm., 20 (2): 158, figs. 10-13.

1969 *Eurysquilla maiaguensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 254-257, fig. 71 [synonymy].

Distribution: tropical NW-Atlantic. - Puerto Rico; Barbados.

Depth range: 220-315m.

Colour note: Manning (1969: 256).

Size: ♀, 18.5-22.5mm; ♂, 19.7mm.

***Eurysquilla pacifica* Manning, 1975**

1975 *Eurysquilla pacifica* Manning, Proc. biol. Soc. Wash., 88 (23): 249-252, fig. 1.

Distribution: New Britain (Ralum).

Size: ♂, 17mm.

***Eurysquilla plumata* (Bigelow, 1901)**

1901 *Lysiosquilla plumata* Bigelow, Bull. U.S. Fish. Comm., 20 (2): 156, figs. 6-9.

1966 *Eurysquilla plumata*, - Manning, Ann. Inst. Océanogr. Monaco, 44: 378-380, fig. 8c-e.

- 1969 *Eurysquilla plumata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 251-254, fig. 70 [synonymy].
- 1971 *Eurysquilla plumata*, - Camp, Proc. biol. Soc. Wash., 84 (15): 125.
- 1972 *Eurysquilla plumata*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].
- 1973 *Eurysquilla plumata*, - Camp, Mem. Hourglass Cruises, 3 (2): 44-46, fig. 16, tab. 12.
- 1975 *Eurysquilla plumata*, - Manning, Proc. biol. Soc. Wash., 88 (23): 251 [in discussion].
- 1976 *Eurysquilla plumata*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 35 [unpublished manuscript].
- 1976 *Eurysquilla plumata*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 171, fig. 16, tabs. 1-2.
- 1990 *Eurysquilla plumata*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 112-113, fig. 12.

Distribution: W-Atlantic. - Gulf of Mexico; Florida (Indian River Region: off Sebastian Inlet; Florida Keys; Puerto Rico; Colombia (Bahía de Santa Marta); Brazil (off Salvador; Houtman Abrolhos Islands).

Depth range: 10-55m.

Habitat: sandy bottoms.

Colour note: Manning (1969: 253) and (1966: 380).

Size: ♀, 15-22.2mm; ♂, 16-31.9mm; juv. ♀, 9.9mm.

Remarks: in the eastern Gulf of Mexico reported from the stomach of the fishes *Ancylopsetta quadrocellata* and *Syacium papillosum*.

Additional synonymy: *Pseudosquilla plumata*.

***Eurysquilla pumae* Hendrickx & Salgado-Barragán, 1987**

- 1987 *Eurysquilla pumae* Hendrickx & Salgado-Barragán, Proc. biol. Soc. Wash., 100 (3): 529-531, fig. 1.
- 1989 *Eurysquilla pumae*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 249.

Distribution: Gulf of California (Mexico: off Estero Tastiota, Sonora).

Depth range: 34-37m.

Habitat: sandy bottoms.

Colour note: Hendrickx & Salgado-Barragán (1987).

Size: ♀, 34mm.

***Eurysquilla sewelli* (Chopra, 1939)**

- 1939 *Lysiosquilla sewelli* Chopra, Sci. Rep. John Murray Exped., 6 (3): 166-172, figs. 10-13.
- 1963 *Pseudosquilla sewelli*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 22, figs. 20, 41, 53, 71.
- 1991 *Eurysquilla sewelli*, - Manning, Smiths. Contr. Zool., 521: 13 [tab.].

Distribution: Red Sea (Gulf of Aden).

Depth range: 220-695m.

Habitat: green mud and sand.
 Colour note: Chopra (1939: 171).
 Size: ♀, 32.5mm; ♂, 42mm.

***Eurysquilla solari* Manning, 1970**

1970 *Eurysquilla solari* Manning, Proc. biol. Soc. Wash., 83 (8): 106-108, fig. 5.

Distribution: E-Pacific. - Peru.
 Depth range: 160m.
 Colour note: Manning (1970: 196-107).
 Size: ♂, 47mm.

***Eurysquilla veleronis* (Schmitt, 1940)**

1940 *Pseudosquilla veleronis* Schmitt, Allan Hancock Pac. Exped., 5: 176-180, fig. 17.

1972 *Eurysquilla veleronis*, - Manning, Zoologica, N.Y., 56: 106.

1974 *Eurysquilla veleronis*, - Manning, Steenstrupia, 3: 102.

1980 *Eurysquilla veleronis*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244, fig. 13.8.

1984 *Eurysquilla veleronis*, - Hendrickx, Rev. Biol. Trop., 32 (2): 272.

1989 *Eurysquilla veleronis*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 244, tab. I.

Distribution: E-Pacific. - Gulf of California (Los Angeles Bay); Mexico (off Bahía Petatlán, Oaxaca; Baja California Norte; off Punta Piaxtla, Sinaloa; Tangola-Tangola Bay); Panamá (Islas Perlas: San José).

Depth range: 10-118m.

Habitat: mud.

Colour note: Schmitt (1940: 179).

Size: ♀, 35mm; ♂, 40mm.

***Eurysquilloides* Manning, 1963**

1963 *Eurysquilloides* Manning, Bull. mar. Sci., 13 (2): 315 [diagnosis, remarks].

***Eurysquilloides sibogae* (Hansen, 1926)**

1926 *Squilla sibogae* Hansen, Siboga Exped. Monogr., 35: 15-17, pl. 1, figs. 6a-c.

1979 *Eurysquilloides sibogae*, - Makarov, Zool. Zh., 57 (2): 185.

1984 *Eurysquilloides sibogae*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 74-75.

1985 *Eurysquilloides sibogae*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 377-378.

1991 *Eurysquilloides sibogae*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 153.

Distribution: Indonesia (Timor Sea; Makassar Strait);

Vietnam (Tonkin Bay); Philippines; New Caledonia; Chesterfield Islands.

Depth range: 22-335m.

Habitat: mud, sand and shell bottom.

Colour note: Hansen (1926: 17).

Size: ♀, 23-55mm; ♂, 26-35mm.

***Manningia* Serène, 1962**

- 1962 *Manningia* Serène, Bull. Inst. océanogr. Monaco, 1241: 20-24 [diagnosis, remarks].
- 1963 *Manningia*, - Manning, Bull. mar. Sci., 13 (2): 313 [diagnosis, remarks].
- 1966 *Manningia*, - Manning, Rec. Austr. Mus., 27: 102-103 [remarks].
- 1967 *Manningia*, - Holthuis, Isr. J. Zool., 16: 16 [remarks].
- 1967 *Manningia*, - Manning, Proc. U.S. natn. Mus., 122 (3589): 3-4 [diagnosis, remarks, key to species].
- 1968 *Manningia*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 15 [diagnosis, remarks].
- 1970 *Manningia*, - Manning, Rec. Austr. Mus., 28: 77 [remarks], 78 [key to species].
- 1977 *Manningia*, - Manning, Atlantide Rep., 12: 43 [remarks].
- 1987 *Manningia* Naiyanetr, Crustaceana, 53 (3): 241-242 [key to species].

***Manningia amabilis* Holthuis, 1967**

- 1967 *Manningia amabilis* Holthuis, Isr. J. Zool., 16: 16-22, figs. 4-5.
- 1981 *Manningia amabilis*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239 [in key], 259, fig. 21.
- 1968 *Manningia amabilis*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 16.
- 1986 *Manningia amabilis*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 3.

Distribution: Red Sea (Gulf of Aqaba; Gulf of Suez); Gulf of Aden; W-Pakistan (western end of Astola Island, 177 miles W of Karachi).

Depth range: 0-2.4m.

Habitat: "sandy area in rocky plateau"; "suffocated under a cover of algae at low tide, animals crawled on top of alga-cover" (Holthuis, 1967: 16); "rocks, sand, scanty, scattered coral" (Tirmizi & Manning, 1968: 16).

Colour note: Tirmizi & Manning (1968: 16)

Size: ♀, 37-43mm; ♂, 27-54mm.

***Manningia andamanensis* Ghosh, 1975**

- 1975 *Manningia andamanensis* Ghosh, Crustaceana, 28 (1): 33-36, fig. 1.
- 1988 *Manningia andamanensis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.

Distribution: India (Andaman Islands: North Andaman Island, Aerial Bay Rock Reef, Diglipur).

Colour note: Ghosh (1975: 35).

Size: ♂, 32mm.

Manningia arabica Manning, 1990

1990 *Manningia arabica* Manning, *Steenstrupia*, 16 (6): 94-97, fig. 1.

Distribution: Saudi Arabia (Bandar Mish'ab; Tarut Island, Tarut Bay; Manifah)

Habitat: "rock tide pools and surrounding sandy-rocky tidal flats" (Manning, 1990: 94).

Size: juv. ♀, 24mm; ♂, 60mm.

Manningia australiensis Manning, 1970

1970 *Manningia australiensis* Manning, *Rec. Austr. Mus.*, 28: 78-81, fig. 1.

1979 *Manningia australiensis*, - Makarov, *Zool. Zh.*, 57 (2): 183-184.

1991 *Manningia australiensis*, - Moosa, *Stomatopoda*, in: *Le benthos des fonds meubles des lagons de Nouvelle-Calédonie*, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 154.

Distribution: Australia (Queensland: off Gillett Cay, Swains Reef); Vietnam (Tonkin Bay); New Caledonia; Chesterfield Islands.

Depth range: 38-72m.

Habitat: "taken on sandy bottoms with Halimeda and red algae" (Moosa, 1991: 154).

Colour note: Manning (1970: 80).

Size: ♂, 32mm.

Manningia notialis Manning, 1966

1953 *Pseudosquilla pilaensis*, - Stephenson, *Mem. Qd. Mus.*, 13 (1): 144 [not *S. pilaensis* de Man, 1888].

1955 *Pseudosquilla pilaensis*, - Stephenson & McNeill, *Rec. Austr. Mus.*, 23 (5): 245 [not *S. pilaensis* de Man, 1888].

1966 *Manningia notialis* Manning, *Rec. Austr. Mus.*, 27: 103-105, fig. 6.

Distribution: Australia (Yirrkala, NW of Cape Arnhem, Northern Territory; Queensland: Bowen; Gulf of Carpentaria)

Depth range: 9m.

Habitat: ironstone reef and in silt.

Colour note: Manning (1966: 105).

Size: ♀, about 50mm; ♂, 63mm.

Manningia pilaensis (de Man, 1888)

1888 *Pseudosquilla pilaensis* de Man, *J. Linn. Soc. Lond.*, 22: 296.

1894 *Pseudosquilla pilaensis*, - Bigelow, *Proc. U.S. natn. Mus.*, 17: 499 [key].

1913 *Pseudosquilla pilaensis*, - Kemp, *Mem. Indian Mus.*, 4 (1): 105-106.

1931 *Pseudosquilla pilaensis*, - Schmitt, *Lignan Sci. J.*, 8 (1929): 140-144, pl. 19, figs. 12-14.

- 1938 *Pseudosquilla pilaensis*, - Dollfus, Mem. Inst. Egypte, 37: 201, fig. 10.
 1962 *Manningia pilaensis*, - Serène, Bull. Inst. océanogr. Monaco, 1241: 20
 [part].
 1963 *Pseudosquilla pilaensis*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 22.
 1963 *Pseudosquilla pilaensis*, - Manning, Bull. mar. Sci. Gulf Caribb., 13: 313
 [in discussion].
 1967 *Manningia pilaensis*, - Manning, Proc. U.S. natn. Mus., 122 (3589): 6-9, fig.
 2.

Distribution: Mergui Archipelago (Elphinstone Island);
 China (Amoy).

Colour note: Manning (1967: 9) and Schmitt (1931: 144).

Size: ♀, 31.5-61.7mm; ♂, 48mm.

***Manningia posteli* Manning, 1977**

- 1977 *Manningia posteli* Manning, Atlantide Rep., 12: 43-48, figs. 8-9, 53.

Distribution: Gulf of Guinea. - off Guinea (Matakana);
 Sierra Leone; off Ivory Coast (Grand Bassam; Grand Lahou;
 Abidjan); Congo (Bay of Pointe-Noire).

Depth range: 10-40m.

Habitat: "muddy sand"; "fine muddy sand"; "film of mud on
 medium size sand"; "shelly mud, transitional Venus-Amphioplus
 community"; "fine quartzly muddy sand" (Manning, 1977: 44).

Colour note: Manning (1977: 46).

Size: ♀, 22-39mm; ♂, 14-37mm; juvs., 11-12mm.

Remarks: found in stomach of the fish *Pseudotolithus
 senegalensis* (Sciaenidae).

***Manningia raymondi* Bruce, 1986**

- 1986 *Manningia raymondi* Bruce, The Beagle, Occ. Pap. Northern Territory Mus. Arts
 Sci., 2 (1) (1985): 17-21, figs. 1-3.

Distribution: Australia (southern Arafura Sea, off Cobourg
 Peninsula; western Gulf of Carpentaria, N of Groote Eylandt).

Depth range: 27m.

Colour note: Bruce (1986: 20).

Size: ♀, 80-83mm; ♂, 83.5-89mm.

***Manningia serenei* Manning, 1967**

- 1967 *Manningia serenei* Manning, Proc. U.S. natn. Mus., 122 (3589): 9-12, fig. 3.

Distribution: Viet Nam (Poulo Condore Island).

Habitat: reefs.

Size: ♀, 31.5mm.

***Manningia thorsoni* Naiyanetr, 1987**

1987 *Manningia thorsoni* Naiyanetr, Crustaceana, 53 (3): 239-241, figs. 2-3.

Distribution: Thailand (Airport Beach, Phuket Province; off Thailand, Andaman Sea).

Depth range: 18-20m.

Habitat: coarse and sand gravel.

***Manningia vinogradovi* Makarov, 1978**

1979 *Manningia vinogradovi* Makarov, Zool. Zh., 57 (2): 183, pl. 4.

Distribution: Vietnam (Tonkin Bay).

Depth range: 93m.

Size: ♂, 14.5mm.

***Manningia zehntneri* Manning, 1974**

1974 *Manningia zehntneri* Manning, Rev. Suisse Zool., 81 (1): 69-72, fig. 1.

1977 *Manningia zehntneri*, - Manning, Rev. Suisse Zool., 84 (2): 284.

1984 *Manningia zehntneri*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, ref. Mauritius record].

Distribution: Mauritius.

Size: ♀, 49mm.

***Sinosquilla* Liu & Yongliang, 1978**

1978 *Sinosquilla* Liu & Yongliang, Oceanol. Limnol. Sinica, 9 (1): 93-94 [diagnosis, remarks]

Additional synonymy: *Eurysquillopsis*.

***Sinosquilla hispida* Liu & Wang, 1978**

1978 *Sinosquilla hispida* Liu & Yongliang, Oceanol. Limnol. Sinica, 9 (1): 94, fig. 2, pl. I, figs. 4-6.

Distribution: South China Sea.

Depth range: 260m.

Habitat: coarse silt.

Size: ♂, 72mm.

***Sinosquilla sinica* Liu & Wan, 1978**

1978 *Sinosquilla sinica* Liu & Yongliang, Oceanol. Limnol. Sinica, 9 (1): 94, fig. 1, pl. I, figs. 1-3.

1978 *Eurysquillopsis angustirostris* Makarov, Zool. Zh., 57 (2): 185-188, figs. 5-6.

1985 *Sinosquilla sinica*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133:

378-379.

Distribution: South China Sea; Vietnam (Tonkin Bay); Philippines.

Depth range: 58-191m.

Habitat: sandy mud.

Size: ♀, 70mm; ♂, 54-77mm.

Gonodactylidae

- 1968 Gonodactylidae, - Manning, Bull. mar. Sci., 18 (1): 137-138 [diagnosis, remarks], 138-139 [key to genera]
- 1968 Gonodactylidae, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 14-15 [diagnosis, remarks, key to genera from W-Pakistan].
- 1969 Gonodactylidae, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 239-242 [diagnosis, remarks, key to American genera].
- 1969 Gonodactylidae, - Manning, Proc. biol. Soc. Wash., 82: 143-148 [remarks on the *Gonodactylus*-section of family, and key to genera of this group].
- 1972 Gonodactylidae, - Manning, Zoologica, N.Y., 56: 104-105 [key to genera and species in the E-Pacific].
- 1977 Gonodactylidae, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 11-12 [remarks on species from Ko Phuket, Thailand; key to genera occurring in this area].
- 1977 Gonodactylidae, - Manning, Atlantide Rep., 12: 48-50 [diagnosis, remarks].
- 1980 Gonodactylidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 365-366 [diagnosis, included genera].
- 1980 Gonodactylidae, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 10-11 [discussion of family].
- 1981 Gonodactylidae, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 2-3 [diagnosis, remarks].
- 1982 Gonodactylidae, Chhapgar & Sane, J. Indian Fish. Ass., 7 (1-2): 24-34.
- 1986 Gonodactylidae, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 308.

Gonodactyloideus Manning, 1984

- 1984 *Gonodactyloideus* Manning, The Beagle, Occ. Pap. Northern Territory Mus., 1 (9): 84 [diagnosis, remarks].

Gonodactyloideus cracens Manning, 1984

- 1984 *Gonodactyloideus cracens* Manning, The Beagle, Occ. Pap. Northern Territory Mus., 1 (9): 84-86, fig. 1.
- 1985 *Gonodactyloideus cracens*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 379, fig. 1.

Distribution: Western Australia (north of Dampier Archipelago); Philippines.

Depth range: 80-107m.

Colour note: Manning (1984: 84).

Size: ♂, 29-42mm.

***Gonodactylolus* Manning, 1970**

- 1970 *Gonodactylolus* Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 42 (1): 206-207 [diagnosis, remarks].

***Gonodactylolus paulus* Manning, 1970**

- 1970 *Gonodactylolus paulus* Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 42 (1): 207-209, fig. 1.
 1990 *Gonodactylolus paulus*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 80.

Distribution: Madagascar (Tanikely).

Colour note: Manning (1970: 207).

Size: ♂, 8.5-14.2mm.

Remarks: Species is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 (Manning & Reaka-Kudla: 80).

***Gonodactyloopsis* Manning, 1969**

- 1969 *Gonodactyloopsis* Manning, Proc. biol. Soc. Wash., 82: 149-150 [diagnosis, remarks, key to species].

***Gonodactyloopsis drepanophora* (de Man, 1902)**

- 1902 *Gonodactylus drepanophorus* de Man, Abh. Senckenberg. naturforsch. Ges., 25: 914, pl. 27, fig. 68.
 1913 *Gonodactyloopsis drepanophorus*, - Kemp, Mem. Indian Mus., 4: 175.
 1926 *Gonodactyloopsis drepanophorus*, - Hansen, Siboga Exped. Monogr., 35: 30-31, pl. II, fig. 1a.
 1969 *Gonodactyloopsis drepanophora*, - Manning, Proc. biol. Soc. Wash., 82: 150 [in key].
 1974 *Gonodactyloopsis drepanophora*, - Moosa, Treubia, 28 (3): 73-76, figs. 1a-c.

Distribution: Indonesia (Ternate, Halmahera, Molucca Islands; off Timor).

Depth range: 34-80m.

Habitat: "on the limit between mud and coral" (Hansen, 1926: 30); "mud and rubble" (Moosa, 1974: 75).

Colour note: Moosa (1974: 75).

Size: 11.8mm; ♂, 14-18mm.

Additional synonymy: *Mesacturus drepanophorus*.

***Gonodactyloopsis herdmani* (Tattersall, 1906)**

- 1906 *Gonodactylus herdmani* Tattersall, Ceylon Pearl Oyster Rep., V: 169, pl. i, figs. 8-10.
 1907 *Gonodactylus herdmani*, - Borradaile, Trans. Linn. Soc. Zool., 12 (2): 210.
 1913 *Gonodactylus herdmani*, - Kemp, Mem. Indian Mus., 4 (1): 171-173, pl. X, fig.

114, 1134a.

- 1969 *Gonodactylopsis herdmani*, - Manning, Proc. biol. Soc. Wash., 82: 149 [in key].

Distribution: Sri Lanka.

Colour note: Kemp (1913: 172-173).

Size: %&, 18-26mm.

***Gonodactylus* Berthold, 1827**

- 1961 *Gonodactylus*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 39-41, pl. 10 [remarks, key to species from the Atlantic Coast of northern South America].
- 1963 *Gonodactylus*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 25-26 [key to species and varieties].
- 1966 *Gonodactylus*, - Manning, Ann. Inst. océanogr. Monaco, 44: 371 [remarks].
- 1966 *Gonodactylus*, - Manning, Rec. Austr. Mus., 27: 107-108 [remarks, key to Australian species].
- 1967 *Gonodactylus*, - Holthuis, Isr. J. Zool., 16: 25 [remarks].
- 1967 *Gonodactylus*, - Manning, Proc. U.S. natn. Mus., 123 (3618): 1-3 [remarks on *demanii*-sections]; 3-4 [key to species of this group].
- 1968 *Gonodactylus*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 42-43 [remarks].
- 1968 *Gonodactylus*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 20-21 [diagnosis, remarks, key to species from W-Pakistan].
- 1969 *Gonodactylus*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 291-298 [diagnosis, detailed discussion of genus], 298-299 [key to W-Atlantic species].
- 1970 *Gonodactylus*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1440 [remarks on associations with the gastropod *Caledoniella montrouzieri* Souverbie].
- 1971 *Gonodactylus*, - Manning, Proc. biol. Soc. Wash., 84 (10): 79-80 [key to *demanii* group].
- 1972 *Gonodactylus*, - Manning, Zoologica, N.Y., 56: 107 [discussion of the taxonomic problems in this genus, in tab. 3, p. 110, comparison of dorsal spination of telson in 4 E-Pacific species].
- 1977 *Gonodactylus*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 13 [key to species groups found at Ko Phuket, Thailand].
- 1978 *Gonodactylus*, - Manning, Smiths. Contr. Zool., 258: 1-4 [remarks on *falcatus*-group].
- 1978 *Gonodactylus*, - Manning, Smiths. Contr. Zool., 264: 2 [remarks].
- 1981 *Gonodactylus*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 3-4 [diagnosis, remarks; key to species from Tayabas Bay, Philippines].
- 1981 *Gonodactylus*, - Manning & Hart, Proc. biol. Soc. Wash., 94 (3): 710-711 [remarks on W-Atlantic species], fig. 2 [comparison of rostral plates and ocular scales of nine species].
- 1986 *Gonodactylus*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 8-10 [discussion of *G. falcatus*-group].

***Gonodactylus acutirostris* de Man, 1898**

- 1898 *Gonodactylus acutirostris* de Man, Zool. Jb., Syst., 10: 695, pl. 38, fig. 77b, c.
- 1913 *Gonodactylus acutirostris*, - Kemp, Mem. Indian Mus., 4 (1): 163-164.
- 1986 *Gonodactylus acutirostris*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433:

3-5, fig. 2a-c.

1990 *Gonodactylus acutirostris*, - Manning, Steenstrupia, 16 (6): 97.

1990 *Gonodactylus acutirostris*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 78.

Distribution: Red Sea (Gulf of Aqaba; southern tip of Sinai Peninsula); Persian Gulf (Iran: 6 km S of Bushehr; Saudi Arabia: Janah Island); Sri Lanka (Trincomalee); Mergui Archipelago.

Depth range: 5-6m.

Habitat: coral reefs. - "reef flat, from dead coral" (Manning & Lewinsohn, 1986: 3).

Colour note: Manning & Lewinsohn (1986: 3).

Size: ♀, 18-42.5mm; ♂, 22-67mm.

Remarks: Nobili's (1906) record of this species from the Persian Gulf is doubtful. Species is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 (Manning & Reaka-Kudla: 78).

Gonodactylus affinis de Man, 1902

1902 *Gonodactylus chiragra* var. *confinis* de Man, Abh. Senckenberg. Naturforsch. Ges., 25: 912, pl. 27, fig. 66.

1903 *Gonodactylus chiragra* var. *segregatus* a Lanchester, in: The Fauna of the Maldive and Laccadive Archipelagoes, ...: 448, pl. 23, fig. 6.

1903 *Gonodactylus chiragra* var. *segregatus* b Lanchester, in: The Fauna of the Maldive and Laccadive Archipelagoes, ...: 448, pl. 23, figs. 7, 7a.

1907 *Gonodactylus chiragra* var. *H. affinis*, - Borradaile, Trans. Linn. Soc. Lond, ser. 2, 12: 211 [key], 212.

1907 *Gonodactylus chiragra* var. *K. confinis*, - Borradaile, Trans. Linn. Soc. Lond, ser. 2, 12: 211 [key].

1968 *Gonodactylus segregatus*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 51-53, fig. 16.

1968 *Gonodactylus segregatus*, - Manning & Seréne, in: Prodromus for a Check list of the Non-Planktonic Marine Fauna of South East Asia, Singapore natn. Acad. Sci., Spec. Publ., 1: 114 [list].

1971 *Gonodactylus confinis*, - Manning, Proc. biol. Soc. Wash., 84: 80 [key].

1971 *Gonodactylus segregatus*, - Manning, Proc. biol. Soc. Wash., 84: 80 [key].

1973 *Gonodactylus segregatus*, - Moosa, Mar. Res. Indonesia, 13: 8.

1977 *Gonodactylus affinis*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 15-16, fig. 9d.

1978 *Gonodactylus affinis*, - Manning, Smiths. Contr. Zool., 264: 2-4, fig. 1.

1984 *Gonodactylus affinis*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 423-424, fig. 2a-g.

1984 *Gonodactylus affinis*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 75.

1985 *Gonodactylus affinis*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 380-381.

1991 *Gonodactylus affinis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 154.

1992 *Gonodactylus affinis*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 155, 159, figs. 2, 4 [maps], fig. 6, tabs. 1-4.

Distribution: Widely distributed in the Indo-West Pacific.

- East Africa; Red Sea; Seychelles; Amirante Islands; Saya de Malha; Maldives (Goïdu, Goïfurfehendu Atoll; South Male Atoll; Hulule, Male Atoll; South Nilandu Atoll); Kenya (Wasini); Laccadives (Minikoi); Madagascar (Banc Vert); Comores; Thailand (Ko Phuket); Indonesia (Moluccas; Ternate; Maluku region); South China Sea (Macclesfield Bank); Philippines; Australia (Townsville, Great Barrier Reef); New Caledonia.

Depth range: intertidal-80m.

Habitat: sand with shells and detritus; coral rubble; "sponge and rubble"; "coarse sand, lithothamnion and rubble"; "grey sand, fine shelly grit" (Moosa, 1973: 8, as *G. segregatus*).

Colour note: Dingle, Caldwell & Manning (1977: 16) and Manning (1968: 53, as *G. segregatus*).

Size: ♀, 10-38mm; ♂, 15-28mm; juveniles <17mm.

Remarks: The parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 is known to infest this species; the parasite was found "with egg sacs attached to the pleopods" (Moosa, 1991: 155).

***Gonodactylus albicinctus* Manning & Reaka, 1979**

1979 *Gonodactylus albicinctus* Manning & Reaka, Proc. biol. Soc. Wash., 92 (3): 634-636, fig. 1.

1980 *Gonodactylus albicinctus*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 6.

1988 *Gonodactylus albicinctus*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 105, fig. 8.

Distribution: Costa Rica Pacific (Bahía Herradura; Isla del Caño); Colombia (Bahía Málaga: Morro de los Agujeros).

Depth range: 5-17m.

Habitat: "mud, shell, rocks, little if any coral, sand pockets"; "sand, coral rubble" (Reaka & Manning, 1980: 634).

Colour note: Reaka & Manning (1980: 6).

Size: ♀, 25mm; ♂, 13-19mm.

***Gonodactylus aloha* Manning & Reaka, 1981**

1968 *Gonodactylus falcatus*, - Kinzie, Pac. Sci., 22 (4) : 465-474, figs. 3-5.

1970 *Gonodactylus falcatus*, - Lachner, Robins & Courtenay, Smiths. Contr. Zool., 59: 14 [in discussion].

1975 *Gonodactylus falcatus*, - Caldwell & Dingle, Die Naturwissensch., 62: 216, 220 [in discussion].

1978 *Gonodactylus falcatus*, - Manning, Smiths. Contr. Zool., 258: 2, 3 [in discussion].

1978 *Gonodactylus falcatus*, - Provenzano & Manning, Bull. mar. Sci., 28 (2): 307-309, tab. 3 [part; larvae] [non *G. falcatus* Forskal, 1775].

1981 *Gonodactylus aloha* Manning & Reaka, J. Crust. Biol., 1 (2): 192-199, figs. 1-3.

1984 *Gonodactylus aloha*, - Kinzie, Pac. Sci., 298-309, tabs. 1-4, fig. 1 [discussion of specific identity].

Distribution: many records from the Hawaiian Islands (see

Manning & Reaka, 1981: 192).

Depth range: littoral-27m.

Habitat: dead and live coral blocks.

Colour note: sexually dimorphic, see Manning & Reaka (1981: 193-195; 196).

Size: ♀, 13-62mm; ♂, 13-65mm.

***Gonodactylus anancyrus* Borradaile, 1900**

1900 *Gonodactylus anancyrus* Borradaile, Stomatopoda, in: Zoological Results based on material from New Britain, New Guinea, Loyalty Islands and elsewhere collected during the years 1895, 1896 and 1897, part IV. Cambridge Univ. Press: 401, 402.

1991 *Gonodactylus anancyrus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 155.

Distribution: Loyalty Islands (Lifu).

Remarks: A species of uncertain taxonomic status.

***Gonodactylus austrinus* Manning, 1969**

1966 *Gonodactylus oerstedii*, - Manning, Ann. Inst. océanogr. Monaco, 44: 371-372, fig. 6a.

1969 *Gonodactylus austrinus*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 338-341, fig. 91.

1972 *Gonodactylus austrinus*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].

1980 *Gonodactylus austrinus*, - Holthuis, Edwards & Lubbock, Zool. Meded., 56 (3): 47-48.

Distribution: W-Atlantic. - off Caribbean Coast of Honduras, Nicaragua and Panamá; also Brazil (Fernando da Noronha and Arquipélago dos Abrolhos). Mid-Atlantic. - Saint Paul's Rocks.

Depth range: sublittoral-73m.

Habitat: "in rubble trapped by boulders on a steep slope" (Holthuis, Edwards & Lubbock, 1980: 48-49).

Colour note: Holthuis, Edwards & Lubbock (1980: 49).

Size: ♀, 9.6-48mm; ♂, 11.6-53.2mm (probably immature specimens).

***Gonodactylus bahiahondensis* Schmitt, 1940**

1940 *Gonodactylus bahiahondensis* Schmitt, Allan Hancock Pac. Exped., 5 (4): 217-219, fig. 31.

1972 *Gonodactylus bahiahondensis*, - Manning, Zoologica, N.Y., 56: 111.

1974 *Gonodactylus bahiahondensis*, - Manning, Steenstrupia, 3: 102.

1976 *Gonodactylus bahiahondensis*, - Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1.

1980 *Gonodactylus bahiahondensis*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 6-7.

- 1982 *Gonodactylus bahiahondensis*, - Caldwell, Mar. Behav. Physiol., 8: 189-196 [chemically mediated recognition of *G. zacaë*].
 1988 *Gonodactylus bahiahondensis*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 107-108, fig. 11.
 1989 *Gonodactylus bahiahondensis*, - Murillo & Franke, Bol. Ecotrop., 20: 58-61, fig. 3 [behaviour, interaction with *G. zacaë*].

Distribution: E-Pacific. - Costa Rica (Jasper Island; Port Culebra; Port Parker); Colombia (Isla Gorgona); Panamá (Pinas Bay; Taboga); Ecuador (Isla La Plata; Cape San Francisco; nearshore islands and mainland).

Depth range: 0-20m.

Habitat: under stones, and in corals; "commonly is found in coral rubble and associated debris; however, it also has been recorded on rocky and sand substrates in the absence of coral" (Reaka & Manning, 1980: 7); in western Colombia (Isla Gorgona) the species inhabits colonies of the coral *Psammocora stellata* (Murillo & Franke, 1989: 59).

Colour note: Reaka & Manning (1980: 7) and Manning (1972: 111).

Size: ♀, 12-41mm; ♂, 8-49mm; juveniles >7mm.

***Gonodactylus bicarinatus* Manning, 1968**

- 1968 *Gonodactylus bicarinatus* Manning, Proc. U.S. natn. Mus., 124 (3641): 46-48, fig. 14.

Distribution: Madagascar (Nosy Bé).

Depth range: intertidal.

Colour note: Manning (1968: 48).

Size: ♂, 26.7mm.

***Gonodactylus botti* Manning, 1975**

- 1967 *Gonodactylus chiragra*, - Holthuis, Israel J. Zool., 16: 26, 41, fig. 7a [non *G. chiragra* (Fabricius, 1787)].
 1975 *Gonodactylus botti* Manning, Senckenbergiana biol., 56 (4/6): 289-291.
 1977 *Gonodactylus chiragra*, - Hughes, J. nat. Hist., 11: 90 [non *G. chiragra* (Fabricius, 1787)].
 1986 *Gonodactylus botti*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 5-6, fig. 3.
 1990 *Gonodactylus botti*, - Manning, Steenstrupia, 16 (6): 97-98.

Distribution: Red Sea (Gulf of Aqaba; southern tip of Sinai Peninsula; Gulf of Suez); Persian Gulf (Iran: E of Qeshm; Saudi Arabia: Al Jubayl; Bandar Mish'ab); Pakistan; Indonesia (near Jakarta).

Depth range: intertidal.

Habitat: "dead reef flat with algae"; "sandy reef flat with algae" (Manning & Lewinsohn, 1986: 5); "rocky tide pools and surrounding rocky-sandy tidal flats" (Manning, 1990: 97).

Colour note: Manning (1975: 290).

Size: ♀, 19-61mm; ♂, 20-73mm.

Remarks: Nobili's (1906), Kemp's (1913) and Preston's (1912) records of this species from the Persian Gulf are doubtful.

Additional synonymy: *G. chiragra* in Tirmizi & Manning (1968); ref. see bibliography.

***Gonodactylus bredini* Manning, 1969**

- 1946 *Gonodactylus oerstedii*, - Gurney, Proc. zool. Soc. Lond., 116: 155-157, fig. 14 [larval stages, identified by hatching from eggs; postlarva figured].
- 1969 *Gonodactylus bredini* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 315-325, figs. 87-88 [many references of older missidentifications].
- 1969 *Gonodactylus bredini*, - Dingle, Anim. Behav., 17: 561 [behaviour: aggressive communication].
- 1969 *Gonodactylus bredini*, - Dingle, Crustaceana, 16: 108 [ontogenetic changes in phototaxis and thigmotaxis of larvae].
- 1969 *Gonodactylus bredini*, - Dingle & Caldwell, Behavior, 33: 115-136, figs. 1-8 [aggressive and territorial behaviour].
- 1969 *Gonodactylus bredini*, - Dingle & Caldwell, Behavior, 33: 417, figs. 1-2 [aggressive and territorial behaviour].
- 1969 *Gonodactylus bredini*, - Dingle, Anim. Behav., 17: 561-575, tabs. I-IX, fig. 1 [statistical analysis of aggressive behaviour].
- 1971 *Gonodactylus bredini*, - Camp, Proc. biol. Soc. Wash., 84 (15): 125 [list].
- 1971 *Gonodactylus bredini*, - Lyons, Cobb, Camp, Mountain, Savage, Lyons & Joyce, Fla. Dep. Nat. Resour. Mar. Res. Laboratory, Prof. Pap. Ser., 14: 27.
- 1972 *Gonodactylus bredini*, - Dingle & Caldwell, Biol. Bull., 142 (2): 417-426 [reproductive and maternal behaviour].
- 1973 *Gonodactylus bredini*, - Camp, Mem. Hourglass Cruises, 3 (2): 53-73, figs. 21-26, tabs. 15-16 [very detailed account on variation and population structure].
- 1976 *Gonodactylus bredini*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 36-37 [unpublished manuscript].
- 1976 *Gonodactylus bredini*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 66-67.
- 1976 *Gonodactylus bredini*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 171-173, figs. 12, 16, tabs. 1-2, 4.
- 1977 *Gonodactylus bredini*, - Manning, Rev. Suisse Zool., 84 (2): 280.
- 1981 *Gonodactylus bredini*, - Caldwell & Lamp, Mar. Behav. Physiol., 8 (1): 35-41, tab. I [chemically mediated recognition of *Octopus joubini*].
- 1983 *Gonodactylus bredini*, - Berzins & Caldwell, Mar. Behav. Physiol., 10: 83-95, tabs. I-VII [agonistic behaviour].
- 1983 *Gonodactylus bredini*, - Steger & Caldwell, Science, N.Y., 221 (4610): 558-560, fig. 1, tab. 1 [behaviour, intraspecific deception after molting].
- 1984 *Gonodactylus bredini*, - Montgomery & Caldwell, Behav. Ecol. Sociobiol., 14: 247-251, tabs. 1-4 [behaviour, aggressive brood defense].
- 1986 *Gonodactylus bredini*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 308, pl. 98, fig.
- 1987 *Gonodactylus bredini*, - Morgan & Goy, J. Crust. Biol., 7 (4): 595-618, figs. 1-9 [reproduction and larval development; laboratory investigations].
- 1987 *Gonodactylus bredini*, - Reaka, Bull. mar. Sci., 41 (2): 111-115 [interactions with benthic competitors], 115-118 [adult-juvenile distributions in reef habitats], 118-119 [adult-juvenile interactions], figs. 3, 6, 8, tab. 3.
- 1989 *Gonodactylus bredini*, - Caldwell, Roderick & Shuster, Collana UZI (Unione

- Zool. Ital.) Sel. Symp. Monogr., 3: 117-131, figs. 1-2, tabs. I-II [activity patterns and predation].
- 1989 *Gonodactylus bredini*, - Reaka, Manning & Felder, Collana UZI (Unione Zool. Ital.), Sel. Symp. Monogr., 3: 183, 185, fig. 1, 186, 189, fig. 4, 190-195 [reproductive habitat in Belize].
- 1989 *Gonodactylus bredini*, - Shuster & Caldwell, Ethology, 82: 192-205, fig. 1, tabs. I-III [behaviour; %-defense of breeding cavity, factors affecting persistence of breeding pairs].
- 1990 *Gonodactylus bredini*, - Adams & Caldwell, Anim. Behaviour, 39: 706-715, tabs. 1-4 [deceptive communication in asymmetric fights].
- 1990 *Gonodactylus bredini*, - Markham, Donath-Hernandez, Villalobos-Hiriart & Diaz-Barriga, An. Inst. Biol. Univ. Autón. México, Ser. Zool., 61 (3): 410.
- 1990 *Gonodactylus bredini*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 115-116, fig. 17.
- 1992 *Gonodactylus bredini*, - Caldwell, Anim. Behaviour, 44: 11-19, tab. 1 [reduced aggressive behaviour of cohabiting specimens after previous fights].
- 1993 *Gonodactylus bredini*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567-568.

Distribution: "is one of the two most common shore species of *Gonodactylus* in the Caribbean" (Schotte & Manning). - Bermuda; North Carolina; South Carolina; Gulf of Mexico; Florida to Curaçao: Cuba; Jamaica; Tobago; Dominican Republic; Puerto Rico; Virgin Islands; Barbuda; Antigua; Guadeloupe; Dominica; Grenadines; Guadeloupe; St. Kitts; Nevis; Antigua; Barbados; Aruba; Bonaire; Curaçao; Colombia (Dept. Guajira: Cabo de la Vela; Bahía Portete. Santa Marta area: Bahía Concha); Trinidad; Venezuela.

Depth range: 0-73m.

Habitat: usually in intertidal or shallow subtidal rocks and corals; "in sponges, rocks, and on coral reefs" (Manning, 1969: 325); "rock wall to rubble flat, crevices" (Schotte & Manning); in coral rubble, corals and seagrass (*Thalassia*). In the Indian River Region (Gore & Becker, 1976: 173) "it is primarily found intertidally in the surf zone on phragmatopomid worm reefs"; Reaka, Manning & Felder (1989) have shown, that the species uses empty urchin shells as brooding sites in Belize.

Colour note: Manning (1969: 321-322). Is distinguished in the field by the closely allied *G. oerstedii* by the colour of the meral spot in live specimens, which is white in *G. bredini*, reddish to purple in *G. oerstedii* (Schotte & Manning); Camp (1973: 65-70) discusses the colour variation; further detailed information on colour of live specimens by Gore & Becker (1976: 172-173).

Size: ♀, 9-75mm; ♂, 9.3-74.6mm.

Remarks: The specific name *bredini* has been published twice in 1969, by Dingle and Manning; *bredini* Dingle was published 3 months earlier and is considered a nomen nudum by Schotte & Manning (1993: 568), because it "is not accompanied by a description or words that distinguish his taxon from others and lacks a bibliographic reference to such a statement".

***Gonodactylus caribbaeus* Schotte & Manning, 1993**

1993 *Gonodactylus caribbaeus* Schotte & Manning, Proc. Biol. Soc. Wash., 106 (3): 568-570, fig. 1.

Distribution: Caribbean Sea (Tobago).

Depth range: 6-35m.

Habitat: coral reef locations. - "on bottoms with coral heads; covered with coral and sea whips; rock wall to rubble flat; sloping fore reef; and rock, rubble, and live and dead coral" (Schotte & Manning 1993: 568).

Colour note: Schotte & Manning (1993: 568).

Size: %, 27.5-33m.

Remarks: is closely allied with *G. curacaoensis*, but differing "from all other American species in having the fifth abdominal somite armed with a spine at its posterolateral angle" (Schotte & Manning, 1993: 568-569); resembles also *G. spinulosus* and *G. minutus*, distinguishing features in Schotte & Manning (1993: 569).

***Gonodactylus chiragra* (Fabricius, 1781)**

1898 *Gonodactylus chiragra*, - Borradaile, Proc. zool. Soc. Lond., 1898: 34, pl. 5, fig. 8.

1913 *Gonodactylus chiragra*, - Kemp, Mem. Indian Mus., 4 (1): 155-162, fig. 2; pl. IX, fig. 107 [references].

1930 *Gonodactylus chiragra*, - Gravier, Bull. Mus. natn. Hist. nat., 2e sér., 2 (2): 214 [part].

1941 *Gonodactylus chiragra*, - Holthuis, Temminckia, VI: 277-281, fig. 7 [references].

1953 ?*Gonodactylus chiragra*, - Fourmanoir, Nat. Malgache, 5 (2): 157-158, figs. 9-13 [larvae].

1954 *Gonodactylus chiragra*, - Serène, Ann. Inst. Océanogr. Monaco, 29: 42-48, figs. 9-10 [larval stages I-III, identified by hatching from eggs].

1968 *Gonodactylus chiragra*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 43-44.

1968 *Gonodactylus chiragra*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 21-23, fig. 7 [references].

1974 *Gonodactylus chiragra*, - Blumstein, Crustaceana, 26 (2): 126.

1975 *Gonodactylus chiragra*, - Moosa, Mar. Res. Indonesia, 15: 4-5.

1977 *Gonodactylus chiragra*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 17, fig. 10b, e.

1977 *Gonodactylus chiragra*, - Manning, Rev. Suisse Zool., 84 (2): 280.

1981 *Gonodactylus chiragra*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 4-5.

1981 *Gonodactylus chiragra*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 260 [in key], 255, fig. 17.

1984 *Gonodactylus chiragra*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].

1985 *Gonodactylus chiragra*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 381.

1987 *Gonodactylus chiragra*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol.

II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list].

- 1990 *Gonodactylus chiragra*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 78-79.
 1991 *Gonodactylus chiragra*, - Manning, Smiths. Contr. Zool., 521: 3.
 1991 *Gonodactylus chiragra*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 155-156.
 1992 *Gonodactylus chiragra*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 11 [list].

Distribution: Widely distributed in the Indo-West Pacific. - Red Sea; E-Africa; Comores; Mozambique; Madagascar (Fort Dauphin; Nosy Bé; Ambatoloaka; Ambatozavavy); Persian Gulf; W-Pakistan (off Karachi; Manora Island; Pasni, Makran coast; Astola Island); Andaman Islands; Thailand (Ko Phuket); Indonesia (Amboina and many other records, cf. Moosa, 1975: 4); Viet Nam (Gulf of Tonkin); Philippines; Japan; New Caledonia (Touaorou flat; Ile de Pins); Loyalty Islands (Lifu); Enewetak Atoll; Hawaii.

Depth range: intertidal-2.4m.

Habitat: often in dead corals or rock crevices; "rocks, scanty, scattered coral" (Tirmizi & Mannning, 1968: 22); various coral reef locations; in Thailand it was found "especially in shale outcroppings in the high intertidal" (Dingle, Caldwell & Manning, 1977: 17); "under dead coral debris"; "in sandstone"; "taken from base of volcanic rocks"; "mud flat, mud, rock" (Manning, 1968: 43-44).

Colour note: Dingle, Caldwell & Manning (1977: 17).

Size: ♀, 26-83mm; ♂, 52-91mm.

Remarks: The species is probably a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 (Manning & Reaka-Kudla: 79); fig. 7 in Holthuis (1941: 280) shows egg capsules of the gastropod attached to the pleopods of the stomatopod.

***Gonodactylus choprai* Manning, 1967**

- 1939 *Gonodactylus demani* ? *espinosus*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 176.
 1963 *Gonodactylus demani espinosus*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 28, figs. 26, 56.
 1967 *Gonodactylus choprai* Manning, Proc. U.S. natn. Mus., 123 (3618): 16-18, fig. 6.
 1988 *Gonodactylus choprai*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.

Distribution: Red Sea; South Arabian coast; off Somalia.

Depth range: 78-82m.

Habitat: 70-82m.

Colour note: Manning (1967: 17).

***Gonodactylus costaricensis* Manning & Reaka, 1979**

- 1972 *Gonodactylus lalibertadensis*, - Manning, Zoologica, N.Y., 56 (1971): 111-112
[non *G. festae lalibertadensis* Schmitt, 1940].
- 1974 *Gonodactylus lalibertadensis*, - Manning, Steenstrupia, 3: 102.
- 1979 *Gonodactylus costaricensis* Manning & Reaka, Proc. biol. Soc. Wash., 92 (3):
636-637, fig. 2.
- 1980 *Gonodactylus costaricensis*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7:
7.

Distribution: E-Pacific. - Costa Rica (Puerto Culebra, Uvita Bay; Bahía Herradura, Isla del Caño); Panamá (Toboga).

Depth range: intertidal-20m.

Habitat: "mud, shell, rocks, little if any coral, sand pockets"; "sand, coral rubble"; "intertidal pool, in and under coral rubble and basalt boulders" (Manning & Reaka, 1979: 636).

Colour note: Reaka & Manning (1980: 7) and Manning (1972: 112).

Size: ♀, 14-30mm; ♂, 23-35mm.

***Gonodactylus crosnieri* Manning, 1968**

- 1968 *Gonodactylus crosnieri* Manning, Proc. U.S. natn. Mus., 124 (3641): 48-50,
fig. 15.

Distribution: Comores (Mayotte); Madagascar (Banc de Pracel).

Depth range: 50m.

Habitat: muddy sand.

Size: ♂, 13.5-19.3mm.

***Gonodactylus curacaoensis* Schmitt, 1924**

- 1924 *Gonodactylus oerstedii* var. *curacaoensis* Schmitt, Bijdr. Dierk., 23: 80, pl.
8, fig. 6.
- 1969 *Gonodactylus curacaoensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar.
Sci., Univ. Miami: 307-311, fig. 85 [references].
- 1987 *Gonodactylus curacaoensis*, - Reaka, Bull. mar. Sci., 41 (2): 115-118 [adult
juvenile distributions in reef locations], fig. 6.
- 1989 *Gonodactylus curacaoensis*, - Reaka, Manning & Felder, Collana UZI (Unione
Zool. Ital.), Sel. Symp. Monogr., 3: 183, 185, fig. 1.
- 1990 *Gonodactylus curacaoensis*, - Werding & Müller, Caribb. J. Sci., 26 (3-4):
116, fig. 18.
- 1993 *Gonodactylus curacaoensis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106
(3): 570.

Distribution: Bahamas and southern Florida to Colombia; Belize; Tobago (off Little Tobago Island, east of North Point, northeast of Charlotteville, Buccoo Reef, The Sisters); British Honduras; off Honduras; Haiti; Puerto Rico; Virgin Islands; Dominica; Barbados; Curaçao; Bonaire; Colombia (Islas del Rosario. Santa Marta area: Morrito de Nenguange; Ensenada de Bonitogordo).

Depth range: shallow subtidal - 38m.

Habitat: found in various coral reef locations. - "in coral heads... from rock wall to rubble flat, crevices... coral-encrusted rocks and ledges... sloping fore reef... outer reef slope, coral with sand pockets... vertical rock wall and slope, dead coral and rocks" (Schotte & Manning, 1993: 570).

Colour note: Manning (1969: 310) and Schotte & Manning (1993: 570).

Size: ♀, 9-59mm; ♂, 10-72mm.

Remarks: found sometimes in stomachs of fishes. - *Hypoplectrus unicolor*; grouper stomachs (Manning, 1969: 305-306).

Gonodactylus demanii Henderson, 1893

- 1893 *Gonodactylus demanii* Henderson, Trans. Linn. Soc. London, (2), 5: 455, pl. 11, figs. 23-24.
- 1895 *Gonodactylus demanii*, - Thurston, Bull. Madras Governm. Mus., 3: 120.
- 1905 *Gonodactylus spinosus*, - Lenz, Abh. Senckenberg. naturforsch. Ges., 27: 387, pl. 47, fig. 12.
- 1905 *Gonodactylus Demani*, - Nobili, Boll. Mus. Zool. Anat. Comp. Torino, 20 (506): 11.
- 1906 *Gonodactylus de Mani*, - Nobili, Bull. Sci. Fr. Belge, 40: 158-159.
- 1906 *Gonodactylus De Mani*, - Nobili, Ann. Sci. Nat. Zool., ser. 9, 4: 330.
- 1907 *Gonodactylus demani*, - Borradaile, Trans. Linn. Soc. London, Zool., ser. 2, 12: 210 [key], 212.
- 1910 *Gonodactylus De Mani*, - Lenz, in: Voeltzkow, Reise in Ostafrika in den Jahren 1903-1905 mit Mitteln der Hermann und Elise geb. Heckmann Wentzel-Stiftung ausgeführt, vol. 2: 572.
- 1913 *Gonodactylus demani*, - Kemp, Mem. Indian Mus., 4: 164-165, 198-199 [part, & from Hengam Island, Iran].
- 1921 *Gonodactylus demanii* var. *spinosus*?, - Kemp & Chopra, Rec. Indian Mus., 22: 311 [not *G. spinosus* Bigelow, 1893].
- 1921 *Gonodactylus demani*, - Tattersall, J. Linn. Soc. London, Zool., 34: 359.
- 1927 *Gonodactylus demani*, - Gravely, Bull. Madras Governm. Mus., n.s., 1 (1): 151.
- 1935 *Gonodactylus demani*, - Gravier, Arch. Mus. Hist. Nat. Paris, ser. 6, 12: 360-361, fig. 3.
- 1936 *Gonodactylus De Mani*, - Maccagno, Ann. Mus. Stor. Nat. Genova, 59: 179.
- 1936 *Gonodactylus demani*, - Ramadam, Bull. Fac. Sci. Egypt. Univ., 6: 8.
- 1938 *Gonodactylus De Mani*, - Dollfus, Mem. Inst. Egypte, 37: 213 [part].
- 1940 *Gonodactylus Demani*, - Parisi, R. Com. Talass. Ital., Mem., 275: 4, 6.
- 1941 *Gonodactylus demanii*, - Holthuis, Temminckia, 6: 282-284, fig. 8a [part].
- 1955 *Gonodactylus demanii*, - Stella, Riv. Biol. Colon, 13: 69.
- 1955 *Gonodactylus demani*, - Taramelli, Riv. Biol. Colon., 15: 44, 47.
- 1959 *Gonodactylus demanii*, - Dollfus, in: Mission Robert Ph. Dollfus en Egypte, XXX, Sci. Res., 3: 242 [part, in discussion].
- 1967 *Gonodactylus demanii*, - Manning, Proc. U.S. natn. Mus., 123 (3618): 8-10, fig. 3 [synonymy].
- 1968 *Gonodactylus demanii*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 50.
- 1968 *Gonodactylus demanii*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 26-28, fig. 10.
- 1975 *Gonodactylus demanii*, - Moosa, Mar. Res. Indonesia, 15: 4-5.
- 1979 *Gonodactylus demanii*, - Makarov, Zool. Zh., 57 (2): 188.
- 1981 *Gonodactylus demanii*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 260 [in key], 258, fig. 20.

- 1986 *Gonodactylus demanii*, - Manning & Lewinsohn, *Smiths. Contr. Zool.*, 433: 6-8.
 1990 *Gonodactylus demanii*, - Manning, *Steenstrupia*, 16 (6): 98.
 1992 *Gonodactylus demanii*, - Ortiz & Silva, *Revta. Invest. Mar.*, 13 (1): 11 [list].

Distribution: Red Sea (Gulf of Aqaba; southern tip of Sinai Peninsula; Gulf of Suez (Tor and Ain Musa); Dorim Id., Dahlak); Madagascar (Fort Dauphin; Maromondia); Persian Gulf (Iran: Hengam Island; Saudi Arabia: Bandar Mish'ab; Musharraba Bay; Manifah; Tarut Bay; United Arab Emirates: Ruweis; Jabal Dhanna Beach); W-Pakistan (Astola Island; Karachi); India (Bombay; Madras Harbor); Seychelles (Aldabra Atoll); Ibo Archipelago; Gulf of Manaar; Mozambique; Indonesia (Edam Island); Vietnam (Tonkin Bay).

Depth range: 0-3m.

Habitat: various coral reef locations. - "dead reef flat with algae"; "reef flat, from black sponge"; sandy reef flat with algae" (Manning & Lewinsohn, 1986: 7); "rock tide pools and surrounding sandy-rocky tidal flats"; "small coral platform reef"; "grass beds" (Manning, 1990: 98); "in rocks, sand, scanty, scattered corals"; "from dead coral" (Manning, 1967: 8).

Colour note: Tirmizi & Manning (1968: 28).

Size: ♀, 10-40mm; ♂, 10.5-42mm; juv. 8mm; postlarvae, 8-9mm.

***Gonodactylus espinosus* Borradaile, 1898**

- 1898 *Gonodactylus espinosus* Borradaile, *Proc. Zool. Soc. Lond.*: 35, figs. 5a-b, pl. 5.
 1907 *Gonodactylus espinosus*, - Borradaile, *Trans. Linn. Soc. Lond.*, ser. 2, 12: 210 [in key].
 1903 *Gonodactylus chiragra espinosus*, - Lanchester, *Marine crustaceans*, VIII; in: Gardiner, *The fauna of the Maldive and Laccadive Archipelagoes...*: 455.
 1913 *Gonodactylus demani espinosus*, - Kemp, *Mem. Indian Mus.*, 4 (1): 166-167.
 1923 *Gonodactylus chiragra*, - Edmondson, *Bull. Bernice P. Bishop Mus.*, 5: 36, fig. 3h, non *G. chiragra* (Fabricius, 1781)].
 1967 *Gonodactylus espinosus*, - Manning, *Proc. U.S. natn. Mus.*, 123 (3618): 21-23, fig. 8.
 1987 *Gonodactylus espinosus*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). *The Natural History of Enewetak Atoll*, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1.

Distribution: Line Islands (Fanning Island); Phoenix Islands (Canton Island); Fiji Islands (Rotuma); Enewetak Atoll; French Polynesia (Society Archipelago: Bora Bora; Tuamotu Archipelago: Fakarava Id.).

Depth range: shallow water.

Habitat: coral reefs. - "from lagoon reef corals" (Manning, 1967: 21).

Size: ♀, 13.2mm; ♂, 11.3-45.5mm.

Gonodactylus falcatus (Forskål, 1775)

- 1775 *Cancer falcatus* Forskål, Descriptiones Animalum, Avium, Amphibiorum...: 96.
- 1886 *Gonodactylus falcatus*, - Brooks, Rep. Sci. Res. Voy. Challenger, (Zool.), 16: 62, pl. 14, fig. 5, pl. 15, figs. 7, 9.
- 1894 *Gonodactylus graphurus*, - Zehntner, Rev. Suisse Zool., 213.
- 1913 *Gonodactylus glabrous*, - Kemp, Mem. Indian Mus., 4 (1): 167-169, pl. IX, fig. 113 [synonymy], 197-198.
- 1975 *Gonodactylus falcatus*, - Moosa, Mar. Res. Indonesia, 15: 5.
- 1976 *Gonodactylus falcatus*, Reaka, Biol. Bull., 150: 472-474 [reproduction and molting, correlation with lunar and tidal periodicity].
- 1977 *Gonodactylus falcatus*, - Manning, Rev. Suisse Zool., 84 (2): 281.
- 1978 *Gonodactylus falcatus*, - Manning, Smiths. Contr. Zool., 258: 4-5, figs. 1, 2a, 9.
- 1981 *Gonodactylus falcatus*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 6-7.
- 1981 *Gonodactylus falcatus*, - Manning, J. Crust. Biol., 1 (2): 190-192, 196 [text].
- 1981 *Gonodactylus falcatus*, - Manning & Lewinsohn, Crustaceana, 41 (3): 314-316, fig. 1 [neotype selection].
- 1984 *Gonodactylus falcatus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, ref. Mauritius record].
- 1986 *Gonodactylus falcatus*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 7-10.
- 1987 *Gonodactylus falcatus*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list].
- 1989 *Gonodactylus falcatus*, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 224.
- 1991 *Gonodactylus falcatus*, - Manning, Smiths. Contr. Zool., 521: 3.
- 1991 *Gonodactylus falcatus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 156-157.
- 1992 *Gonodactylus falcatus*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 11 [list].

Distribution: Indo-West Pacific. - Red Sea (Gulf of Aqaba; southern tip of Sinai Peninsula; Gulf of Suez); Ethiopia (Dahlak Archipelago, Eritrea); Kenya (Mombasa); Mozambique; Mauritius; Indonesia (Amboina; several other records in Moosa (1975: 5); Philippines; ?Japan; New Caledonia (lagoon; Nouméa, Ouemo flat); southern Japan; Loyalty Islands; Chesterfield Islands; ?Hawaii.

Depth range: intertidal-23m.

Habitat: coral reefs; "deep, among corals, sandy bottom" (Manning, 1978: 4); "from dead coral covered with algae"; "from dead coral" (Manning & Lewinsohn, 1986: 8); "mostly inhabiting rough bottom habitat" (Moosa, 1991: 157).

Colour note: Manning & Lewinsohn (1986: 8).

Size: ♀, 29-62mm; ♂, 27-57mm.

Remarks: is extremely difficult to distinguish from *G. aloha* on morphological features (cf. Moosa, 1991: 156). The parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869

is known to infest this species.

Additional synonymy: Has been often confused with related species. Most older records require verification.

***Gonodactylus festae* Nobili, 1901**

- 1901 *Gonodactylus festae* Nobili, Boll. Mus. Zool. Anat. comp. Torino, 16 (415): 53.
- 1940 *Gonodactylus festae*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 220-223, fig. 32.
- 1940 *Gonodactylus festae lalibertadensis* Schmitt, Allan Hancock Pac. Exped., 5 (4): 223-225, fig. 33.
- 1972 *Gonodactylus festae*, - Manning, Zoologica, N.Y., 56: 110-111.
- 1974 *Gonodactylus festae*, - Manning, Steenstrupia, 3: 102.
- 1979 *Gonodactylus festai*, - Caldwell, Anim. Behav., 27: 194-201, figs. 1-2, tabs. I-II [cavity occupation; defensive behaviour].
- 1980 *Gonodactylus festae*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 7-8.
- 1985 *Gonodactylus festae*, - Caldwell, Anim. Behav., 33: 101-105, fig. 1 [behaviour: individual recognition].
- 1988 *Gonodactylus festae*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 106, fig. 9.

Distribution: E-Pacific. - El Salvador (Golfo de Fonseca); Colombia (Bahá Málaga: Isla Curuchichi); Costa Rica (Bahía de Salinas; Port Parker, Bahía Carillo; Puntarenas); Panamá (Bahía Honda); Ecuador (Bahía de Santa Elena).

Depth range: 0-15m.

Habitat: beach beyond reef; sand; stones; mud and debris; "intertidal coral rubble and basalt boulders (Reaka & Manning, 1980: 8); also in tidepools; most common in rock cavities.

Colour note: Reaka & Manning (1980: 8) and Manning (1972: 111).

Size: ♀, 15-44mm; ♂, 20-49mm.

***Gonodactylus glabrosus* Brooks, 1886**

- 1886 *Gonodactylus glabrosus* Brooks, Sci. Rep. Challenger Res., (Zool.), 16: 62-64, pl. 14, fig. 5; pl. 15, figs. 7, 9.
- 1902 *Gonodactylus glabrosus* var. *ternatensis* De Man, Abh. Senckenberg. Naturforsch. Ges., 25: 914, pl. 27, fig. 67 [part, fig. & only].
- 1930 *Gonodactylus chiragra*, - Gravier, Bull. Mus. natn. Hist. nat., 2e sér., 2 (2): 214 [part.].
- 1957 *Gonodactylus glabrosus*, - Gohar & Al-Kholy, Publ. Mar. Biol. Stat. Al Ghardaqua, 9: 118-127, figs. 1-45 [larvae and adult stages].
- 1978 *Gonodactylus glabrosus*, - Manning, Smiths. Contr. Zool., 258: 5-7, figs. 3, 10.
- 1981 *Gonodactylus glabrosus*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 7-8.
- 1983 *Gonodactylus glabrosus*, - Budiman & Moosa, The Veliger, 25 (4): 399-400, tab. 1.
- 1990 *Gonodactylus glabrosus*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 79.
- 1991 *Gonodactylus glabrosus*, - Moosa, Stomatopoda, in: Le benthos des fonds

meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 157-158.

1992 *Gonodactylus glabrosus*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 11 [list].

Distribution: Red Sea (Egypt; Gulf of Aden, Djibouti); Mozambique; Philippines (Samboangan Reefs; Tayabas Bay); Indonesia (Ternate, Moluccas; Untung Jawa Island, Thousand Islands, off Jakarta); Vietnam; New Caledonia; Chesterfield Islands.

Depth range: <3-53m.

Habitat: coral reefs, where it lives "inside crevices of rock and coral boulders" (Garcia, 1981: 7).

Colour note: Brooks (1886: 63).

Size: ♀, 23-42mm; ♂, 50-51mm.

Remarks: The parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 is known to infest this species (Budiman & Moosa, 1983: 399-400; Manning & Reaka-Kudla, 1990: 79).

***Gonodactylus graphurus* Miers, 1875**

1886 *Gonodactylus graphurus*, - Brooks, Sci. Rep. Voy. Challenger, Zool., 16 (1): 58-62, pl. XIV, figs. 1, 4, 6, pl. XV, figs. 3, 8.

1913 *Gonodactylus graphurus*, - Kemp, Mem. Indian Mus., 4 (1): 169-171, fig. 1 [synonymy].

1952 *Gonodactylus graphurus*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 12.

1962 *Gonodactylus graphurus*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 35.

1966 *Gonodactylus graphurus*, - Manning, Rec. Austr. Mus., 27: 108-109.

1971 *Gonodactylus graphurus*, - Ingle, Crustaceana, 21: 220-221 [nomenclature, lectotype designation].

Distribution: several E- and W-Australian records.

Depth range: 14.4m.

Habitat: was found in sponge.

Colour note: Brooks (1886: 62).

Size: ♀, 22-72.3mm; ♂, 27.2-52.8mm.

Remarks: According to Manning (1966: 109), "All records in the literature, including those from Australia, need to be verified".

***Gonodactylus hendersoni* Manning, 1967**

1888 *Gonodactylus* new species de Man, Arch. Naturgesch., 53 (1): 574, pl. 22a, fig. 7.

1915 *Gonodactylus demani*, - Kemp, Philippine J. Sci., sec. D, 10 (3): 182.

1926 *Gonodactylus chiragra* var. *Demanii*, - Hansen, Siboga Exped. Monogr., 35: 26.

1930 *Gonodactylus demani*, - Roxas, The Puerto Galera Marine Biological Laboratory of the University of the Philippines (A report to the President of the University, together with a checklist of animals of the Puerto Galera region): 18.

1930 *Gonodactylus demani*, - Roxas & Estampador, Nat. App. Sci. Manila, 1: 121.

1941 *Gonodactylus demanii*, - Holthuis, Temminckia, VI: 282-284, fig. 8b [part].

- 1953 *Gonodactylus demani*, - Serène, Proc. 7th Pac. Sci. Congr., 1949, vol. 4: 506, 507 [list]
- 1954 *Gonodactylus demani*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6, 10, 83, figs. 13-9, 14.
- 1955 *Gonodactylus demani*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 250.
- 1959 *Gonodactylus demanii*, - Dollfus, in: Mission Robert Ph. Dollfus en Egypte, XXX; Sci. Res., pt. 3: 242 [part, in discussion].
- 1967 *Gonodactylus hendersoni* Manning, Proc. U.S. natn. Mus., 123 (3618): 4-8, figs. 1-2.
- 1981 *Gonodactylus hendersoni*, - Manning & Reaka, J. Crust. Biol., 1 (2): 190 [text].

Distribution: Burma; Indonesia (off Savu, Seva; Ambon; Pulo Edam; Kambang; Koepang; Tidore); Philippines (Puerto Galera, Mindoro; Taytay, Palawan Island); Viet Nam; Australia (Green Island); Japan (Naha, Okinawa); Hawaii (Waikiki, Oahu).

Colour note: Manning (1967: 6).

Size: ♂, 16.5-23.3mm.

Gonodactylus incipiens Lanchester, 1903

- 1903 *Gonodactylus chiragra* var. *incipiens* Lanchester, VIII: Stomatopoda, in: J.S. Gardiner, The Fauna and Geography of the Maldive and Laccadive Archipelagoes..., 1: 451, pl. 23, fig. 10 [non *incipiens* b Lanchester, p. 451].
- 1906 *Gonodactylus chiragra* var. *incipiens*, - Tattersall, in: Report to the Government of Ceylon on the Pearl Oyster Fisheries of the Gulf of Manaar, 5: 167.
- 1907 *Gonodactylus chiragra* var. *A incipiens*, - Borradaile, Trans. Linn. Soc. London, Zool., ser. 2, 12: 211 [in key].
- 1966 *Gonodactylus chiragra*, - Manning, Rec. Austr. Mus., 27 (4): 113 [part].
- 1967 *Gonodactylus incipiens*, - Manning, Proc. U.S. natn. Mus., 123: 18, fig. 7.
- 1971 *Gonodactylus childi* Manning, Proc. Biol. Soc. Wash., 84: 75, fig. 1, tab. 1.
- 1983 *Gonodactylus incipiens*, - Budiman & Moosa, The Veliger, 25 (4): 399-400, tab. 1.
- 1987 *Gonodactylus childi*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1.
- 1987 *Gonodactylus incipiens*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list], 184-187, tab. 2 [colour], 188-190, tab. 3 [habitat].
- 1990 *Gonodactylus incipiens*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 79.
- 1991 *Gonodactylus incipiens*, - Manning, Smiths. Contr. Zool., 521: 3, fig. 3.
- 1991 *Gonodactylus incipiens*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 158-159.
- 1992 *Gonodactylus incipiens*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 153, 155, 159, 160, figs. 2, 4 [maps], fig. 6, tabs. 1-4.

Distribution: Indo-Pacific. - Sri Lanka; Indonesia (Mollucas: Said, Ambon Island); Australia (Yirrkala, Arnhem

Land, Northern Territory); New Caledonia; Chesterfield Islands; Marianna Islands (Guam; Ritidian Pt.); Enewetak Atoll (Runit Island; Eniwetok Island); Ellice Islands; Phoenix Islands; Tonga (Makaha'a at Nukualofa); Samoa (Matapao); American Samoa (Tutuila); French Polynesia (Tuamotu Archipelago: Fakarava Island).

Depth range: 0-80m.

Habitat: coral reefs. - "shore; coral rock channel"; "tide pool in rock tide flat" (Manning, 1971: 74, tab. 1); usually it lives under coral blocks and in coral rubble; further details from Enewetak Atoll in Reaka & Manning (1987: 189, tab. 3).

Colour note: Manning (1971: 76-77, as *G. childi*).

Size: ♀, 9-32mm; ♂, 13-36mm.

Remarks: a polymorphic species, cf. comments in Moosa (1991: 158). Is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 (Budiman & Moosa, 1983: 399-400; Manning & Reaka-Kudla, 1990: 79).

***Gonodactylus insularis* Manning & Reaka, 1982**

1971 *Gonodactylus falcatus*, - Manning, Proc. biol. Soc. Wash., 84: 73-74.

1973 *Gonodactylus falcatus*, - Dingle, Highsmith & Caldwell, Oecologia, 13: 55, 58-59, 62, tab. 2 [interspecific aggressive behavior, ecological significance].

1975 *Gonodactylus falcatus*, - Reaka, J. Morphol., 146 (1): 56 [molting].

1976 *Gonodactylus falcatus*, - Reaka, Biol. Bull., 150: 484 [molting, lunar and tidal periodicity].

1979 *Gonodactylus falcatus*, - Reaka, in: Reproductive ecology of marine invertebrates, Univ. S. Carolina Press: 238, 248, 249, 252, figs. 2-4.

1982 *Gonodactylus insularis* Manning & Reaka, Proc. biol. Soc. Wash., 95 (2): 347-350, fig. 1.

1987 *Gonodactylus insularis*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 184-187, tab. 2 [colour], 187-188 [behaviour], 188-190, tab. 3 [habitat].

1989 *Gonodactylus insularis* Manning & Reaka, 1982, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 224.

Distribution: Enewetak Atoll (Kidrenen Island; Aomon Island; Sand Island); Japan.

Depth range: 0-23m.

Habitat: coral reefs. - "lagoon side, scattered small coral heads on bottom of coral sand at 75ft"; "coral rubble" (Manning & Reaka, 1982: 347); rubble and vermetid rocks (Reaka & Manning, 1987, 189, tab. 3).

Colour note: Manning & Reaka (1982: 348-349), also comparison with other species of genus with known life colouration.

Size: ♀, 13-30mm; ♂, 10-31.5mm.

***Gonodactylus lacunatus* Manning, 1966**

- 1966 *Gonodactylus lacunatus* Manning, Ann. Inst. océanogr. Monaco, 44: 374, fig. 6c [references].
- 1969 *Gonodactylus lacunatus*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 311-315, fig. 86.
- 1972 *Gonodactylus lacunatus*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].
- 1983 *Gonodactylus lacunatus*, - Coen & Heck, Proc. biol. Soc. Wash., 96 (2): 204.
- 1990 *Gonodactylus lacunatus*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 116-117, fig. 19.

Distribution: Caribbean Sea. - Mexico (Yucatan); Nicaragua; Virgin Islands; Colombia (Santa Marta area: Bahía Concha; Punta Ancón); numerous records from Brazil.

Depth range: shallow subtidal-69m.

Habitat: coral reef locations and seagrass beds: *Thalassia testudinum* and *Syringodium filiforme*; "cascajo de coral" (Werding & Müller, 1990: 116).

Colour note: Manning (1969: 314).

Size: ♀, 14.5-46.5mm; ♂, 13.9-58.5mm; postlarva 8.5mm.

***Gonodactylus lanchesteri* Manning, 1967**

- 1906 *Gonodactylus spinosus*, - Nobili, Ann. Sci. Nat. Zool., ser. 9, 4: 330.
- 1921 *Gonodactylus demani* var. *spinosus*, - Tattersall, J. Linn. Soc. Zool., 34: 361.
- 1922 *Gonodactylus Demani* var. *spinosus*, - Parisi, Atti Soc. Ital. Sci. Nat., 61: 4, 6.
- 1936 *Gonodactylus Demani spinosus*, - Gruvel, Mém. Inst. Egypte, 29: 177.
- 1936 *Gonodactylus demani* var. *spinosus*, - Ramadam, Bull. Fac. Sci. Egypt. Univ., 6: 9.
- 1937 *Gonodactylus demani spinosus*, - Monod, Mem. Inst. Egypte, 34: 19.
- 1938 ?*Gonodactylus De Mani* var. *spinosus*, - Dollfus, Mem. Inst. Egypte, 37: 215, fig. 17.
- 1939 *Gonodactylus demani* var. *spinosus*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 172.
- 1940 *Gonodactylus Demani* var. *spinosus*, - Parisi, R. Com. Talass. Ital., Mem., 275: 4.
- 1950 ?*Gonodactylus demanii*, - Barnard, Ann. S. Afr. Mus., 38: 862, fig. 3e.
- 1963 *Gonodactylus demani spinosus*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 28-29, figs. 255, 55.
- 1967 *Gonodactylus spinosus*, - Holthuis, Israel J. Zool., 16: 34, 42 [non *G. spinosus* Bigelow, 1893].
- 1967 *Gonodactylus lanchesteri* Manning, Proc. U.S. natn. Mus., 123 (3618): 11, fig. 4 [references].
- 1968 *Gonodactylus lanchesteri*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 51.
- 1968 *Gonodactylus lanchesteri*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 25-26, fig. 9.
- 1971 *Gonodactylus spinosus*, - Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 149-150 [non *G. spinosus* Bigelow, 1893].
- 1977 *Gonodactylus spinosus*, - Hughes, J. nat. Hist., 11: 90 [non *G. spinosus* Bigelow, 1893].
- 1977 *Gonodactylus lanchesteri*, - Manning, Rev. Suisse Zool., 84 (2): 282.
- 1981 *Gonodactylus lanchesteri*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 260 [in key], 257, fig. 19.
- 1986 *Gonodactylus lanchesteri*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433:

10-11.

1988 *Gonodactylus lanchesteri*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.

1990 *Gonodactylus lanchesteri*, - Manning, Steenstrupia, 16 (6): 98-99.

1991 *Gonodactylus lanchesteri*, - Manning, Smiths. Contr. Zool., 521: 4.

1992 *Gonodactylus lanchesteri*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 11 [list].

Distribution: W-Indian Ocean. - Red Sea (Abu Sardaf, Hurghada; Gulf of Aqaba; southern tip of Sinai Peninsula; Gulf of Suez; Eylath); Kenya (Andrmanche Reef, off Mombasa); Persian Gulf (Iran: W of Khark Island; Saudi Arabia: (Bahrein); Mozambique (Junghi Bay, Ibo Archipelago); W-Pakistan (off Karachi); Comores (Mayotte and Pamanzi Islands); Mozambique; Madagascar (Diego suarez); South Africa.

Depth range: intertidal-60m.

Habitat: rocks and corals; "reef flat from dead coral"; "dead reef flat with algae" (Manning & Lewinsohn, 1986: 11); "in sandstone"; "from hard coral" (Manning, 1968: 51); "coral reef and tide pools"; "in reef lagoon"; "rocky lava and coral reef" (Manning, 1967: 11).

Colour note: Manning & Lewinsohn (1986: 11); further note in Manning (1968: 51).

Size: ♀, 14-34.2mm; ♂, 13-39mm.

***Gonodactylus lightbourni* Manning & Hart 1981**

1981 *Gonodactylus lightbourni* Manning & Hart, Proc. biol. Soc. Wash., 94 (3): 708-711, fig. 2.

1993 *Gonodactylus lightbourni*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Bermuda (south shore, 2 miles off Castle Roads).

Depth range: 64-91m.

Size: ♂, 25mm; juv.♀, 10mm; juv.♂, 9.5-11mm.

***Gonodactylus micronesica* Manning, 1971**

1971 *Gonodactylus micronesica* Manning, Proc. biol. Soc. Wash., 84 (10): 77-79, fig. 2, tab. 1.

1987 *Gonodactylus micronesica*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list], 184-187, tab. 2 [colour], 188-190, tab. 3 [habitat].

Distribution: Enewetak Atoll (Parry Island).

Depth range: 24-35m.

Habitat: coral reef lagoon side, "pinnacle of live corals" (Manning, 1971: 74, tab. 1); outer reef flat (Reaka & Manning, 1987: 189, tab. 3).

Colour note: Reaka & Manning (1987: 184-187, tab. 2).

Size: ♀, 9-32mm; ♂, 14-19mm.

***Gonodactylus minutus* Manning, 1969**

- 1966 *Gonodactylus spinulosus*, - Manning, Ann. Inst. océanogr. Monaco, 44: 372-374, fig. 6b.
 1969 *Gonodactylus minutus* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 304-307, fig. 84.
 1972 *Gonodactylus minutus*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].

Distribution: tropical W-Atlantic. - Brazil (Fernando da Noronha to Ilha Trindade).

Depth range: shallow water-90m.

Colour note: Manning (1969: 306).

Size: ♀, 11.5-30.5mm; ♂, 9.5-27.8mm.

***Gonodactylus moraisi* Fausto-Filho & Lemos de Castro, 1973**

- 1973 *Gonodactylus moraisi* Fausto Filho & Lemos de Castro, Arq. Ciên. Mar., 13 (1): 61-63, fig. 1A-D.
 1976 *Gonodactylus moraisi*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 66.
 1993 *Gonodactylus moraisi*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Brazil (Amapá; Ceará).

Depth range: 50-76m.

Habitat: sandy bottoms.

Size: ♀, 20mm.

***Gonodactylus mutatus* Lanchester, 1903**

- 1903 *Gonodactylus mutatus* Lanchester, VIII: Stomatopoda, in: J.S. Gardiner, The Fauna and Geography of the Maldive and Laccadive Archipelagoes..., 1: 450.
 1970 *Gonodactylus falcatus*, - Manning, Bull. Mus. natn. Hist. nat., Paris, (2) 41: 1431, 1440.
 1977 *Gonodactylus mutatus*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 14-15, fig. 8c-d.
 1978 *Gonodactylus mutatus*, - Manning, Smiths. Contr. Zool., 258: 7-9, figs. 4-5, 11.
 1983 *Gonodactylus mutatus*, - Budiman & Moosa, The Veliger 25 (4): 399-400.
 1984 *Gonodactylus mutatus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, Mauritius record].
 1984 *Gonodactylus mutatus*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 424.
 1990 *Gonodactylus mutatus*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 79.
 1991 *Gonodactylus mutatus*, - Manning, Smiths. Contr. Zool., 521: 4.
 1991 *Gonodactylus mutatus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed.

ORSTOM: 159.

Distribution: Red Sea; Zanzibar; Maldives (Furnadu Velu, Miladumadulu Atoll; Goidu, Goifurfehendu Atoll; Hulule, Male Atoll); Seychelles (Coetivy); Madagascar (Tuléar); Mauritius; Thailand (Phuket); Indonesia (Ayer Island, Thousand Islands, off Jakarta, Java); Vietnam; Thailand; Philippines; New Caledonia (Nouméa).

Depth range: intertidal.

Habitat: coral reefs. - "Common in living coral near the low tide line" (Dingle, Caldwell & Manning, 1977: 15). "It apparently lives in shallow water, on coral or coral rubble" (Manning, 1978: 9); "sable, blocs et corail" (Moosa & Cleva, 1984: 424).

Colour note: Dingle, Caldwell & Manning (1977: 15).

Size: ♀, 21-44.5mm; ♂, 24-44mm.

Remarks: The parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 is known to infest this species (Budiman & Moosa, 1983: 399-400, tab. 1; Manning & Reaka-Kudla, 1990: 79).

Synonymy: Has been often confused with *G. falcatus* and *G. glabrous* in older literature.

Gonodactylus oerstedii Hansen, 1895

- 1941 *Gonodactylus oerstedii*, - Holthuis, Zool. Meded., 23: 38-39 [synonymy].
- 1961 *Gonodactylus oerstedii*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 43-44, pl. 11, figs. 5-6 [part].
- 1962 *Gonodactylus oerstedii*, - Hazlett & Winn, Crustaceana, 4 (1): 27, 30-31, 33, 35 [sound production and associated behaviour].
- 1963 *Gonodactylus oerstedii*, - Manning, Bull. mar. Sci. Gulf & Caribb., 13 (3): 422-432, tabs. 3-4 [embryology].
- 1963 *Gonodactylus oerstedii*, - Manning & Provenzano, Bull. mar. Sci. Gulf & Caribb., 13 (3): 467-485, figs. 1-8, tabs. 1-6 [early larval stages].
- 1964 *Gonodactylus oerstedii*, - Dingle, Crustaceana, 7 (3): 236-240, tab. I [colour polymorphism].
- 1969 *Gonodactylus oerstedii*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 325-334, fig. 89 [complete synonymy].
- 1976 *Gonodactylus oerstedii*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 37-38 [unpublished manuscript].
- 1976 *Gonodactylus oerstedii*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 173-176, figs. 13, 16, tabs. 1-2, 4.
- 1977 *Gonodactylus oerstedii*, - Manning, Rev. Suisse Zool., 84 (2): 282.
- 1978 *Gonodactylus oerstedii*, - Hazlett, Mar. Behav. Physiol., 5: 243-254 [interaction of individuals, distances of territories].
- 1978 *Gonodactylus oerstedii*, - Provenzano & Manning, Bull. mar. Sci., 28 (2): 297-316, figs. 1-6, tabs. 1-5.
- 1979 *Gonodactylus oerstedii*, - Hazlett, Crustaceana, 36 (2): 196-198, tab. I [observations on biological significance of meral spot].
- 1980 *Gonodactylus oerstedii*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244, fig. 13.9.
- 1987 *Gonodactylus oerstedii*, - Bauer, J. Crust. Biol., 7 (3): 414-430, figs. 1-8 [grooming behaviour; functional morphology and amputation experiments].
- 1987 *Gonodactylus oerstedii*, - Reaka, Bull. mar. Sci., 41 (2): 110-111 [feeding

- habits], 111-115 [interactions with benthic competitors, 118-119, [adult-juvenile interactions], figs. 1, 4, 6, 8, tab. 3.
- 1989 *Gonodactylus oerstedii*, - Bauer, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 99-104, fig. 1 [grooming behaviour; amputation experiments].
- 1989 *Gonodactylus oerstedii*, - Reaka, Manning & Felder, Collana UZI (Unione Zool. Ital.), Sel. Symp. Monogr., 3: 183, 185, fig. 1, 186, 189, fig. 4, 190-191, 193-195 [reproductive habitat in Belize].
- 1990 *Gonodactylus oerstedii*, - Markham, Donath-Hernandez, Villalobos-Hiriart & Diaz-Barriga, An. Inst. Biol. Univ. Autón. México, Ser. Zool., 61 (3): 410.
- 1990 *Gonodactylus oerstedii*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 117, fig. 20.
- 1993 *Gonodactylus oerstedii*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 571.

Distribution: Bermuda; Bahamas; central east and southern Florida and throughout Caribbean Sea. - Florida; Mexico (Quintana Roo); Belize; Netherlands Antilles; Jamaica; Haiti; Puerto Rico; Virgin Islands; Panamá; Colombia (Golfo de Tumaco; Islas del Rosario; Santa Marta area: Bahía de Nenguange; Bahía de Gairaca); Guadeloupe; Dominica; St. Lucia; Grenadines; St. Eustatius; Antigua; Anguila; St. Martin; Barbuda; St. Eustatius; Nevis; Barbados; Tobago (Pigeon Point, Buccoo Reef, Little Tobago Island, east of North Point; northeast of Charlotteville, The Sisters); Aruba; Bonaire; Curaçao; Venezuela; Trinidad; Brazil.

Depth range: littory to usually less than 5m, but has been found as deep as 105m.

Habitat: coral reef locations. - "*Thalassia* y corales"; "sobre corales" (Werding & Müller, 1990: 117); "shallow lagoon with turtle grass, bottom coarse sand to fine coralline silt...; from washings of live rock... and from sloping fore reef" (Schotte & Manning, 1993: 570). In the Indian River Region of Florida (Gore & Becker, 1976: 176) it was collected "from surf zone phragmatopomid worm reefs"; also found in seagrass meadows (*Thalassia testudinum*). Reaka, Manning & Felder (1989) have shown, that the species uses empty urchin shells as brooding sites in Belize.

Colour note: Dingle (1964: 236-239), Manning (1969: 331, 333), Gore & Becker (1976: 173-174), Manning (1969: 331) and Schotte & Manning (1993: 570).

Size: ♀ 9-76mm; ♂, 8-68mm; juveniles 9-12mm; postlarvae, 7.5-10mm.

Remarks: Records of this species from the E-Pacific are missidentifications. This is a species with a confusing synonymy. Only the more recent literature, as listed above, should be used for identification (cf. Manning (1969: 325-326).

***Gonodactylus petilus* Manning, 1970**

- 1970 *Gonodactylus petilus* Manning, Proc. biol. Soc. Wash., 83 (8): 108-109, fig. 6.
- 1993 *Gonodactylus petilus*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: southwestern Caribbean Sea. - off Panamá.
 Depth range: 51-59m.
 Colour note: Manning (1970: 108-109).
 Size: ♀, 18-22mm; ♂, 19-22mm.

***Gonodactylus platysoma* Wood-Mason, 1895**

- 1895 *Gonodactylus platysoma* Wood-Mason, Figures and descriptions of nine species of Squillidae from the collection in the Indian Museum: 11, pl. 3, figs. 3-9.
- 1903 *Gonodactylus chiragra* var. *acutus* Lanchester, in: Fauna and geography of the Maldive and Laccadive Archipelagoes, vol. 1: 447, pl. 23, figs. 2, 3a.
- 1903 *Gonodactylus chiragra* var. *tumidus* Lanchester, in: Fauna and geography of the Maldive and Laccadive Archipelagoes, vol. 1: 447, pl. 23, fig. 1a.
- 1913 *Gonodactylus chiragra* var. *platysoma*, - Kemp, Mem. Indian Mus., 4 (1): 162-163, fig. 1.
- 1915 *Gonodactylus chiragra* var. *platysoma*, - Kemp, Philippine J. Sci., D, 10 (3): 180-182.
- 1931 *Gonodactylus chiragra* var. *platysoma*, - Bigelow, Bull. Mus. Comp. Zool., Harvard, 72 (4): 117-120, pl. 1, fig. 2, pl. 2, fig. 2.
- 1937 *Gonodactylus chiragra* var. *platysoma*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 2-4, fig. 1.
- 1941 *Gonodactylus chiragra* var. *platysoma*, - Holthuis, Temminckia, VI: 281-282.
- 1950 *Gonodactylus chiragra* var. *platysoma*, - Tweedie, Bull. Raffles Mus., 22: 140.
- 1967 *Gonodactylus chiragra platysoma*, - Holthuis, Crustaceorum Catalogus, I: 62.
- 1954 *Gonodactylus platysoma*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 10, 74, fig. 13-4.
- 1962 *Gonodactylus platysoma*, - Manning, Postilla, Yale Peabody Mus., 68: 3.
- 1963 *Gonodactylus chiragra platysoma*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 25 [in key].
- 1966 *Gonodactylus platysoma*, - Manning, Rec. Austr. Mus., 27: 110-112.
- 1967 *Gonodactylus platysoma*, - Manning, Crustaceana, 12 (1): 103.
- 1968 *Gonodactylus platysoma*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 44.
- 1975 *Gonodactylus platysoma*, - Moosa, Mar. Res. Indonesia, 15: 6.
- 1977 *Gonodactylus platysoma*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 17-18, fig. 10d.
- 1977 *Gonodactylus platysoma*, - Manning, Rev. Suisse Zool., 84 (2): 283.
- 1984 *Gonodactylus platysoma*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. to records from La Réunion and Mauritius].
- 1987 *Gonodactylus platysoma*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 184-187, tab. 2 [colour], 188 [behaviour], 188-190, tab. 3 [habitat].
- 1988 *Gonodactylus chiragra* var. *platysoma*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.
- 1990 *Gonodactylus platysoma*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 79.

Distribution: Maldives (Addu Atoll); Comores (Anjouan; Mayotte); Madagascar (Sarodrano); La Réunion; Mauritius; Andaman Islands; Thailand (Ko Phuket); Indonesia (Ayer Island); Philippines; Australia (several records); Japan (Bungo Channel,

Okino-shima Island, Kochi Prefecture); Marshall Islands (Arno Atoll; Enewetak Atoll); French Polynesia (Society Islands: Bora Bora, Muller's Reef; Moorea, Turia Bay. Tuamotu Archipelago: Ngarumaoa Island, Raroia Atoll).

Depth range: intertidal to shallow subtidal.

Habitat: various coral reef locations, mostly of islands and atolls, among dead corals and rubble. - "often associated with *Porites* wheels" (Dingle, Caldwell & Manning, 1977: 19); "under rocks on middle to inner section or zone of outer reef..."; "outer reef flats" (Holthuis, 1953: 62).

Colour note: Manning (1966: 111), Dingle, Caldwell & Manning (1977: 18) and Tweedie (1950: 140).

Size: ♀, 48-88mm; ♂, 17-84mm.

Remarks: Species is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 Manning (1968: 44); Manning & Reaka-Kudla (1990: 79).

***Gonodactylus pumilus* Manning, 1970**

1970 *Gonodactylus pumilus* Manning, Proc. biol. Soc. Wash., 83 (8): 109-111, fig. 7.

Distribution: Galapagos Archipelago (Gardner Bay, Hood Island).

Depth range: 5m.

Habitat: "from coral heads" (Manning, 1970: 109).

Size: ♀, 8-20mm; ♂, 8-16mm.

***Gonodactylus randalli* Manning, 1978**

1978 *Gonodactylus randalli* Manning, Smiths. Contr. Zool., 258: 9-10, figs. 6, 12.

1984 *Gonodactylus randalli*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, Mauritius record].

1991 *Gonodactylus randalli*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 159.

Distribution: Mauritius; Chesterfield Islands. Marshall Islands (Arno Atoll); Phoenix Islands (Canton Island); French Polynesia (Society Archipelago: Moorea, pass of Papetoai Bay).

Depth range: 8-26m.

Habitat: coral reefs. - "from coral head in lagoon" (Manning, 1978: 9).

Colour note: Moosa (1991: 159).

Size: ♂, 29-51mm.

***Gonodactylus siamensis* Manning & Reaka, 1981**

1979 *Gonodactylus falcatus*, - Reaka, in: Reproductive Ecology of Marine Invertebrates, Univ. S. Carolina Press: 238, 252, fig. 1.

1979 *Gonodactylus falcatus*, - Reaka, Biol. Bull., 156: 333, fig. 3 [non *G.*

falcatus (Forsk., 1775)].

1981 *Gonodactylus siamensis* Manning & Reaka, Proc. biol. Soc. Wash., 94 (2): 479-482.

Distribution: Thailand (Gulf of Thailand, Sattahip).

Depth range: intertidal.

Habitat: "coral rubble reef flat exposed at low tide" (Manning & Reaka, 1981: 479).

Colour note: Manning & Reaka (1981: 481).

Size: ♀, 21-39.5mm; ♂, 16-38mm.

***Gonodactylus smithii* Pocock, 1893**

- 1893 *Gonodactylus smithii* Pocock, Ann. Mag. Nat. Hist., (6) 11: 475, pl. 20B, fig. 1.
- 1894 *Gonodactylus chiragra*, - Zehntner, Rev. Suisse Zool., 2: 212 [part, non *G. chiragra* (Fabricius, 1781)].
- 1898 *Gonodactylus* var. *acutirostris* de Man, - Zool. Jb. Syst., 10: 695, pl. 38, fig. 77b, c.
- 1898 *Gonodactylus* var. *smithii*, - Borradaile, Proc. Zool. Soc. London, 1898: 33, 35.
- 1903 *Gonodactylus* var. *acutirostris*, - Lanchester, in: The fauna and geography of the Maldive and Laccadive Archipelagoes, vol. 1: 454.
- 1903 *Gonodactylus* var. *smithii*, - Lanchester, in: The fauna and geography of the Maldive and Laccadive Archipelagoes, vol. 1: 447, pl. 23, figs. 4-5.
- 1905 *Gonodactylus* var. *smithii*, - Lenz, Abh. Senckenberg. naturforsch. Ges., 27: 571.
- 1913 *Gonodactylus acutirostris*, - Kemp, Mem. Indian Mus., 4 (1): 163-164.
- 1914 *Gonodactylus* var. *smithii*, - Rathbun, Proc. zool. Soc. London, 3: 664.
- 1929 *Gonodactylus* var. *intermedia* de Man, Bijdr. Dierk., 26: 25, pl. 3, fig. 9b.
- 1929 *Gonodactylus* var. *intermedia* de Man, Misc. Zool. Sumatrana, 36: 3.
- 1937 *Gonodactylus* var. *acutirostris*, - Gravier, Ann. Inst. Océanogr., 17 (3): 204, fig. 20.
- 1947 *Gonodactylus acutirostris*, - Serène, Bull. Mus. Hist. Nat., Paris, 19 (5): 382, fig. 1, pl. 1.
- 1952 *Gonodactylus acutirostris*, - Dawydoff, Biol. Bull. Fr. Belgique, suppl. 37: 145.
- 1953 *Gonodactylus acutirostris*, - Serène, Proc. 7th Pac. Sci. Congr., 1949, vol. 4: 506-507.
- 1954 *Gonodactylus smithii*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6, 7, 10, 74, 76, fig. 13-5, pl. 8.
- 1963 ?*Gonodactylus chiragra chiragra*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 27, 47, 63 [?part].
- 1966 *Gonodactylus smithii*, - Manning, Rec. Austr. Mus., 27 (4): 112-113.
- 1967 *Gonodactylus smithii*, - Holthuis, Isr. J. Zool., 16: 28--30, fig. 7b-c.
- 1968 *Gonodactylus smithii*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 44-46 [synonymy].
- 1968 *Gonodactylus smithii*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 23-25, fig. 8 [synonymy].
- 1973 *Gonodactylus smithii*, - Moosa, Mar. Res. Indonesia, 13: 9.
- 1975 *Gonodactylus smithii*, - Moosa, Mar. Res. Indonesia, 15: 6.
- 1977 *Gonodactylus smithii*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 19, fig. 11.
- 1977 *Gonodactylus smithii*, - Manning, Rev. Suisse Zool., 84 (2): 283.
- 1979 *Gonodactylus smithii*, - Makarov, Zool. Zh., 57 (2): 188.

- 1981 *Gonodactylus smithii*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 5-6.
 1981 *Gonodactylus smithii*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 260 [in key], 256, fig. 18.
 1983 *Gonodactylus smithii*, - Budiman & Moosa, The Veliger, 25 (4): 399-400, tab. 1.
 1984 *Gonodactylus smithii*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. records La Réunion and Mauritius].
 1987 *Gonodactylus smithii*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list], 184-187, tab. 2 [colour], 187-188 [behaviour], 188-190, tab. 3 [habitat].
 1990 *Gonodactylus smithii*, - Manning, Steenstrupia, 16 (6): 99.
 1990 *Gonodactylus smithii*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 79-80.
 1991 *Gonodactylus smithii*, - Manning, Smiths. Contr. Zool., 521: 4.
 1991 *Gonodactylus smithii*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 160.

Distribution: Comores (Mayotte; Anjouan); Madagascar (Grand Crique; Sarodrano; Tuléar; Banc de l'Etoile); La Réunion; Mauritius; W-Pakistan; Indo-Malayan waters; Thailand (Ko Phuket); Indonesia (Moluccas: Marsegu Island, north of Ceram Islands; Tuhaha Bay, Saparua Island; Amboina; several other records in Moosa, (1975: 6); Vietnam (Tonkin Bay); Philippines; Japan; Australia; New Caledonia; Loyalty Islands; Chesterfield Islands; Enewetak Atoll.

Depth range: 0-80m.

Habitat: various coral reef locations. - "coarse sand cay with marginal coral"; "is particularly likely to be associated with coral "mushrooms" or "wheels" formed by living *Porites*. In Phuket found in association with *Porites lutea* and other living coral..." (Dingle, Caldwell & Manning, 1977: 19); "reef flat"; "in sandstone"; "from offshore reef" (Manning, 1968: 45); see also Reaka & Manning (1987, 188-190, tab. 3).

Colour note: Moosa (1991: 160), Holthuis (1967: 29), Manning (1966: 112-113), Garcia (1981: 5) and Reaka & Manning (1987: 184-187, tab. 2).

Size: ♀, 22-73.5mm; ♂, 10-74mm.

Remarks: Species is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Souverbie, 1869 Manning (1968: 44); Manning & Reaka-Kudla (1990: 79).

***Gonodactylus snidvongsi* Naiyanetr, 1987**

- 1987 *Gonodactylus snidvongsi* Naiyanetr, Crustaceana, 53 (3): 237-239, fig. 1.

Distribution: Thailand (Ko Kangkao, Chon Buri Province).

Habitat: coral reefs. - "associated with coral *Porites*" (Naiyanetr, 1987: 237).

Size: ♂, 16mm.

***Gonodactylus spinosus* Bigelow, 1893**

- 1893 *Gonodactylus spinosus* Bigelow, John Hopkins Univ. Circ., 10: 101.
 1894 *Gonodactylus spinosus*, - Bigelow, Proc. U.S. natn. Mus., 17: 493-495.
 1903 *Gonodactylus chiragra* var. *spinosus*, - Lanchester, in: The Fauna and geography of the Maldive and Laccadive Archipelagoes, 1: 454, pl. 23, fig. 14.
 1907 *Gonodactylus spinosus*, - Borradaile, Trans. Linn. Soc. London, Zool., ser. 2, 12: 210 8in key], 212.
 1913 *Gonodactylus demani* var. *spinosus*, - Kemp, Mem. Indian Mus., 4 (1): 165, pl. 9, fig. 112.
 1921 *Gonodactylus demani* var. *spinosus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 310-311.
 1926 *Gonodactylus spinosus*, - Bigelow, Amer. Nat., 60: 579, figs. 1-2.
 1962 *Gonodactylus spinosus*, - Manning, Postilla, Yale Peabody Mus., 68: 3-4.
 1967 *Gonodactylus spinosus*, - Manning, Proc. U.S. natn. Mus., 123 (3618): 14-16, fig. 5.
 1984 *Gonodactylus spinosus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius record].

Distribution: Mauritius; Persian Gulf; Maldives (Male Atoll; Goifurfehendu Atoll); Seychelles; Sri Lanka (between Neptune and Triton Bastions, Galle Fort).

Depth range: 0.5-1.5m.

Habitat: coral reefs. - obtained from living *Pocillopora* corals.

Size: ♀, 13.5-14.8mm; ♂, 17.2-21mm.

***Gonodactylus spinulosus* Schmitt, 1924**

- 1924 *Gonodactylus oerstedii* var. *spinulosus* Schmitt, Univ. Iowa Stud. Nat. Hist., 10 (4): 96, pl. 5, fig. 5.
 1961 *Gonodactylus spinulosus*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 41-43, pl. 11, figs. 3-4.
 1969 *Gonodactylus spinulosus*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 299-304, fig. 83 [references].
 1972 *Gonodactylus spinulosus*, - Manning, Crustaceana, 23 (3): 315.
 1976 *Gonodactylus spinulosus*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 39 [unpublished manuscript].
 1976 *Gonodactylus spinulosus*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 176, fig. 16, tabs. 1-2, 4.
 1986 *Gonodactylus spinulosus*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 308, pl. 98 fig.
 1987 *Gonodactylus spinulosus*, - Reaka, Bull. mar. Sci., 41 (2): 111-118 [interactions with benthic competitors], 119 [adult-juvenile interactions], figs. 2, 6, 8, tab. 3.
 1989 *Gonodactylus spinulosus*, - Reaka, Manning & Felder, Collana UZI (Unione Zool. Ital.), Sel. Symp. Monogr., 3: 183, 185, fig. 1.
 1990 *Gonodactylus spinulosus*, - Markham, Donath-Hernandez, Villalobos-Hiriart & Diaz-Barriga, An. Inst. Biol. Univ. Autón. México, Ser. Zool., 61 (3): 410.
 1993 *Gonodactylus spinulosus*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 570-571.

Distribution: tropical W-Atlantic. - Mexico; Bermuda and southern Florida (Indian River Region, between Ft. Pierce and St. Lucie Inlet) to Tobago (off Speyside, Buccoo Reef, North Point, London Bridge Rock, Saint Giles Island, Bloody Bay); Bahamas; Belize; Haiti; Puerto Rico; Virgin Islands; St. Martin; Barbuda; St. Eustatius; Antigua; Guadeloupe; Dominica; Aruba; ?Panamá; Barbados; Trinidad; Bonaire; Klein Bonaire; Curaçao; Brazil.

Depth range: 0-28m.

Habitat: Lives among coral rubble and algae. Juveniles probably inhabit shallower waters than adults. Gore & Becker (1976: 176) collected specimens at night on a "phragmatopomid worm reefs along the intertidal surf zone"; no specimens were found inside of this inlets, so *G. spinulosus* apparently cannot tolerate sheltered locations with high salinity fluctuations.

Colour note: Manning, 1969: 303) and (Schotte & Manning, 1993: 571).

Size: ♀, 9-48mm; ♂, 10-54.4mm.

Remarks: was found in stomach of the red hind, *Epinephelus guttatus* (Manning, 1969: 300).

***Gonodactylus stanschi* Schmitt, 1940**

1940 *Gonodactylus stanschi* Schmitt, Allan Hancock Pac. Exped., 5 (4): 215-217, fig. 30.

1941 *Gonodactylus stanschi*, - Steinbeck & Ricketts, Sea of Cortez, New York: 429.

1972 *Gonodactylus stanschi*, - Manning, Zoologica, N.Y., 56: 110.

1980 *Gonodactylus stanschi*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244.

1980 *Gonodactylus stanschi*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 8.

1989 *Gonodactylus stanschi*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 244, tab. I.

Distribution: E-Pacific. - Gulf of California, from Isla Angel de la Guarda, Sihuatenejo Bay, and Port Guatulco, Mexico, to Isla del Caño, Costa Rica; Isla Isabela and Isla Tres Marias, Mexico. From mainland and nearshore islands.

Depth range: intertidal-17m.

Habitat: coral banks; oyster beds; various coral substrate; rocks; sand.

Colour note: Manning (1972: 110).

Size: ♀, 19-36mm; ♂, 12-41mm.

***Gonodactylus takedai* Moosa, 1989**

1989 *Gonodactylus takedai* Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 225-226, fig. 1.

Distribution: Japan (Miyanojima, Chichi-jima).

Colour note: Moosa (1989: 226).

Size: ♀, 27.2mm.

Gonodactylus ternatensis De Man, 1902

- 1954 *Gonodactylus falcatus*, - Serène, Ann. Inst. Océanogr. Monaco, 29: 42, fig. 8
[larval stages I-III, identified by hatching from eggs].
- 1977 *Gonodactylus ternatensis*, - Dingle, Caldwell & Manning, Phuket Mar. Biol.
Res. Center, Res. Bull., 20: 15, fig. 8a-b.
- 1978 *Gonodactylus ternatensis*, - Manning, Smiths. Contr. Zool., 258: 10-12, figs.
7-8, 13.
- 1981 *Gonodactylus ternatensis*, - Manning & Reaka, J. Crust. Biol., 1 (2): 196
[text].
- 1987 *Gonodactylus ternatensis*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese,
B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol.
II. Biogeography and Systematics. Office of Scientific and Technical
Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1 [list].

Distribution: Thailand (Ko Phuket); Indonesia (Moluccas);
Viet Nam; Enewetak Atoll; Samoa (Apia, Upolu Island).

Depth range: shallow water.

Habitat: "near shore on flats exposed at low tide"
(Manning, 1978: 12).

Colour note: Dingle, Caldwell & Manning (1977: 15) and
Manning (1978: 11).

Gonodactylus torus Manning, 1969

- 1969 *Gonodactylus torus* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ.
Miami: 335-338, fig. 90 [including references to older
missidentifications].
- 1972 *Gonodactylus torus*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13:
251, tab. [distribution in Brazil].

Distribution: subtropical and tropical W-Atlantic. - North
Carolina; Florida; Mexico; Panamá; Barbados; Brazil.

Depth range: 10-364m (usually <50m).

Habitat: "rocky reef bottom"; "inside sponge cavity"
(Manning, 1969: 335-336).

Colour note: Manning (1969: 337).

Size: ♀, 12.5-33.7mm; ♂, 17.1-33.0mm.

Gonodactylus viridis Serène, 1954

- 1930 *Gonodactylus demani* var. *pruvotae*, - Gravier, Bull. Mus. natn. Hist. nat.,
2e sér., 2 (2): 214 [part.].
- 1954 *Gonodactylus chiragra* var. *viridis* Serène, Mém. Inst. Océanogr. Nhatrang, 8:
7, 10, 74-76, fig. 13-3.
- 1975 ?*Gonodactylus chiragra*, - Liu, Stud. Mar. Sinica, 10: 188, figs. 3-4, 3-5
[part, not *G. chiragra* (Fabricius, 1781)].
- 1975 *Gonodactylus viridis*, - Rosewater, Nautilus, 89 (3): 86.
- 1977 *Gonodactylus viridis*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res.
Center, Res. Bull., 20: 16-17, fig. 9a-b.
- 1979 *Gonodactylus viridis*, - Caldwell & Dingle, Behaviour, 69 (3-4): 255-263,
fig. 1, tab. I [influence of size on aggressive behaviour].
- 1983 *Gonodactylus viridis*, - Budiman & Moosa, The Veliger, 25 (4): 399-400.

- 1985 *Gonodactylus viridis*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 381-382.
- 1987 *Gonodactylus viridis*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list].
- 1989 *Gonodactylus viridis*, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 226.
- 1990 *Gonodactylus viridis*, - Manning & Reaka-Kudla, Raffles Bull. Zool., 38 (1): 80.
- 1991 *Gonodactylus viridis*, - Manning, Smiths. Contr. Zool., 521: 4.
- 1991 *Gonodactylus viridis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 161.

Distribution: Thailand (Ko Phuket); Vietnam (Bay of Nhatrang); Indonesia; Philippines (Selut Bay, close to Cebu City); Japan; Ryukyu Islands; Enewetak Atoll; New Caledonia (Ile des Pins).

Depth range: intertidal to shallow subtidal.

Habitat: coral reef flats; in blocks of corals; coral rubble; mangroves.

Colour note: Dingle, Caldwell & Manning (1977: 16-17).

Size: ♀, 21-41mm; ♂, 24-50mm.

Remarks: Species is known as a host of the parasitic gastropod *Caledoniella montrouzieri* Soubrier, 1869 (Budiman & Moosa, 1983: 399-400, tab. 1; Manning & Reaka-Kudla, 1990: 80; Rosewater, 1975: 86).

***Gonodactylus zacaе* Manning, 1972**

- 1940 *Gonodactylus oerstedii*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 211 [part.], figs. 27-28; non *G. oerstedii* Hansen, 1895; non fig. 29, = *G. pumilus* Manning, 1970].
- 1941 *Gonodactylus oerstedii*, - Steinbeck & Ricketts, Sea of Cortez, New York: 428 [non *G. oerstedii* Hansen, 1895].
- 1972 *Gonodactylus zacaе* Manning, Zoologica, N.Y., 56: 107-110, fig. 3.
- 1974 *Gonodactylus zacaе*, - Manning, Steenstrupia, 3: 103-104, fig. 1.
- 1976 *Gonodactylus zacaе*, - Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1.
- 1976 *Gonodactylus zacaе*, - Reaka, Biol. Bull. 150: 471-472 [reproduction and molting, correlation with lunar and tidal periodicity].
- 1980 *Gonodactylus zacaе*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244, fig. 13.10
- 1980 *Gonodactylus zacaе*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 8-10.
- 1982 *Gonodactylus zacaе*, - Caldwell, Mar. Behav. Physiol., 8: 189-196 [chemically mediated recognition of *G. bahiahondensis*].
- 1988 *Gonodactylus zacaе*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 107, fig. 10.
- 1989 *Gonodactylus zacaе*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 244, tab. I.
- 1989 *Gonodactylus zacaе*, - Murillo & Franke, Bol. Ecotrop., 20: 58-61 [behaviour, interaction with *G. bahiahondensis*].
- 1990 *Gonodactylus zacaе*, - Camp & Kuck, Proc. biol. Soc. Wash., 103 (4): 849-850.

Distribution: E-Pacific region. - Gulf of California from Bahía Concepción, Mexico to Isla La Plata, Ecuador; Mexico (Baja California: Puerto Escondido; Santa Inez Bay. Port Guatulco; Arena Bank); Colombia (Isla Gorgona); Galapagos Archipelago; Isla del Coco (off Costa Rica: NE of Isla Manuelita, seamount; Bahía Wafer; Bahía de Chatham); Isla del Caño, Costa Rica; mainland Costa Rica (Puerto Culebra; Port Parker); Panamá (Islas Perlas: San José, Contadora; Taboga; Tortolito; Milones; Bahía Honda).

Depth range: intertidal-60m.

Habitat: from rocks, sand and algae; from a *Porites* reef; "occupies coral rubble and rock habitats as well as sandy and muddy areas (with debris, shell, or algae, and without rocks and coral)" (Reaka & Manning, 1980: 9); in Colombia Pacific (Isla Gorgona) the species inhabits dead *Pocillopora damicornis* corals (Murillo & Franke, 1989: 59).

Colour note: Reaka & Manning (1980: 9).

Size: ♀, 9-36mm; ♂, 8-32mm.

Hoplosquilla Holthuis, 1964

1964 *Hoplosquilla* Holthuis, *Crustaceana*, 7 (2): 141 [diagnosis, remarks].

Hoplosquilla acanthurus (Tattersall, 1906)

1906 *Gonodactylus acanthurus* Tattersall, *Ceylon Pearl Oyster Rep.*, V: 171, pl. I, figs. 11-15.

1907 *Gonodactylus acanthurus*, - Borradaile, *Trans. Linn. Soc. Zool.*, 12 (2): 210.

1913 *Gonodactylus acanthurus*, - Kemp, *Mem. Indian Mus.*, 4 (1): 193-194.

Distribution: Sri Lanka.

Depth range: 9-90m.

Colour note: Kemp (1913: 194).

Size: ♂, 10-11.5mm.

Hoplosquilloides Manning, 1978

1978 *Hoplosquilloides* Manning, *Smiths. Contr. Zool.*, 264: 6 [diagnosis, remarks].

Hoplosquilloides coronatus Manning, 1978

1978 *Hoplosquilloides coronatus* Manning, *Smiths. Contr. Zool.*, 264: 6-8, fig. 3.

1984 *Hoplosquilloides coronatus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, ref. La Réunion record].

Distribution: Madagascar (Grand Recif, Tulear); La Réunion (St. Gilles Reef).

Depth range: shallow subtidal-35m.

Habitat: coral reefs, from the reef flat to the outer

slope.

Colour note: Manning (1978: 8).

Size: ♀, 13-17mm; ♂, 12-23mm.

***Mesacturoides* Manning, 1978**

- 1978 *Mesacturoides* Manning, Proc. biol. Soc. Wash., 91 (1): 1-3 [diagnosis, remarks].

***Mesacturoides brevisquamatus* (Paulson, 1875)**

- 1875 *Gonodactylus brevisquamatus* Paulson, Podophthalmata and Edriophthalmata (Cumacea): Studies on Crustacea of the Red Sea with notes regarding other Seas, Kiev, part I: 11.
 1913 *Gonodactylus brevisquamatus*, - Kemp, Mem. Indian Mus., 4 (1): 174-175, pl. X, figs. 115-116.
 1921 *Gonodactylus brevisquamatus*, - Tattersall, J. Linn. Soc. London, Zool., 34: 362-364, pl. 27, figs. 5-6.
 1963 *Gonodactylus brevisquamatus*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 30, figs. 48, 58.
 1967 *Mesacturus brevisquamatus*, - Holthuis, Isr. J. Zool., 16: 38, 42.
 1971 *Mesacturus brevisquamatus*, - Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 150.
 1977 *Mesacturus brevisquamatus*, - Hughes, J. nat. Hist., 11: 90.
 1986 *Mesacturoides brevisquamatus*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 11.

Distribution: Red Sea (Gulf of Aqaba; several records from the Dahlak Archipelago, in Holthuis, 1967: 38; Djibouti).

Depth range: 0-2m.

Habitat: coral reefs; from dead corals; "sandy bottom with corals"; "among rocks, algae, sponges, etc."; "among rocks and corals"; "among *Lithothamnion*"; *Lithothamnion* and sand"; "from sponge" (Holthuis, 1967: 38, Red Sea records).

Colour note: Holthuis (1967: 38).

Size: ♀, 11-31mm; ♂, 12-34mm.

***Mesacturoides crinitus* (Manning, 1962)**

- 1962 *Gonodactylus crinitus* Manning, Postilla, Yale Peabody Mus., 68: 4-11, fig. 1.
 1978 *Mesacturoides crinitus*, - Manning, Proc. biol. Soc. Wash., 91 (1): 1-3, fig. 1 [type species for *Mesacturoides*].
 1984 *Mesacturoides crinitus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. records from La Réunion and Mauritius].

Distribution: Seychelles; Madagascar (Tuléar); La Réunion (St. Gilles; St. Pierre); Mauritius (Trou au Biches).

Depth range: littoral-4m.

Habitat: coral reef flats to outer slope.

Colour note: Manning (1962: 7).

Size: 9-23mm; ♂, 26.4-28.8mm; postlarva, 8mm.

***Mesacturoides fimbriatus* (Lenz, 1905)**

- 1905 *Gonodactylus fimbriatus* Lenz, Abh. Senckenberg. Naturforsch. Ges., 27: 388, pl. 47, fig. 11.
 1913 *Gonodactylus fimbriatus*, - Kemp, Mem. Indian Mus., 4: 175-176.
 1962 *Gonodactylus fimbriatus*, - Manning, Postilla, 68: 7, 8, 10, fig. 2B.
 1980 *Mesacturoides raymondi* Tirmizi & Kazmi, Crustaceana, 38 (1): 61-65, figs. 1-2.
 1981 *Mesacturoides fimbriatus*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239 [in key], 252, fig. 14.
 1990 *Mesacturoides fimbriatus*, - Manning, Steenstrupia, 16 (6): 99-100.
 1991 *Mesacturoides fimbriatus*, - Manning, Smiths. Contr. Zool., 521: 4.

Distribution: Kenya (Mombasa); Zanzibar; Seychelles; Persian Gulf (Saudi Arabia: Al Jurayd); Pakistan.

Depth range: 0-3m.

Habitat: coral reefs. - corals; "from among coral from shallow reef (Manning, 1990: 99).

Colour note: Tirmizi & Kazmi (1980: 63).

Size: ♀, 15-17mm; ♂, 12-31.5mm.

Remarks: A description of the first larval stage is given in Tirmizi & Kazmi (1980: 64-65).

***Mesacturoides spinosicarinatus* (Fukuda, 1910)**

- 1910 *Gonodactylus spinosicarinatus*, - Fukuda, Annot. Zool. Japon., 7 (12): 143, pl. 4, figs. 2, 2a.
 1913 *Gonodactylus spinosicarinatus*, - Kemp, Mem. Indian Mus., 4 (1): 173-174.
 1926 *Gonodactylus strigatus* Hansen, Siboga Exped. Monogr., 35: 31-33, pl. 2, figs. 2a, 2b.
 1927 *Gonodactylus spinosicarinatus*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 3 (3): 34.
 1930 *Gonodactylus demani* var. *pruvotae*, - Gravier, Bull. Mus. natn. Hist. nat., sér. 2, 2 (2): 214 [part].
 1949 *Gonodactylus strigatus*, - Serène, Bull. Soc. Zool. Fr., 74 (4-5): 225-231, 2figs.
 1952 *Gonodactylus spinosicarinatus*, - Rec. Austr. Mus., 23 (1): 14, figs. 28-32.
 1969 *Mesacturus spinocarinatus*, - Manning, Manning, Proc. biol. Soc. Wash., 82: 153 [key].
 1991 *Mesacturoides spinosicarinatus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 161.

Distribution: Indonesia; Vietnam; Japan; Australia (Queensland); New Caledonia (Ile des Pins).

Depth range: shallow water.

Habitat: among dead corals.

Colour note: Hansen (1926: 32).

Size: ♂, 18mm.

Mesacturus Miers, 1880

- 1967 *Mesacturus*, - Holthuis, Isr. J. Zool., 16: 37 [remarks].
 1969 *Mesacturus*, - Manning, Proc. biol. Soc. Wash., 82: 150-153 [diagnosis, remarks, key to species].

Mesacturus dicrurus Kropp & Dominguez, 1990

- 1990 *Mesacturus dicrurus* Kropp & Dominguez, Proc. biol. Soc. Wash., 103 (2): 372-375, figs. 1-2.

Distribution: Micronesia (Mariana Islands: Guam. - Pago Bay, Taogam Point. Saipan. - Wing Beach, near Matuis. Caroline Islands: Yap (= formerly Ifaluk Atoll), south end of Falarik Islet; Ifaluk Atoll, north end of Falarik).

Depth range: intertidal-0.5m.

Habitat: coral reefs. - "consolidated coralline algae at seaward edge of erosion beach"; "coralline-encrusted reef rock just shoreward of fringing reef margin or from coral heads"; "inside coral heads on the outer slope of the reef platform" (Kropp & Dominguez, 1990: 375).

Colour note: Kropp & Dominguez (1990: 375).

Size: %, 11.3-33.2mm; &, 10.7-33.3mm.

Mesacturus furcicaudatus (Miers, 1880)

- 1880 *Gonodactylus furcicaudatus* Miers, Ann. Mag. Nat. Hist., 5, ser. V: 124, pl. III, figs. 13-16.
 1886 (?) *Protosquilla furcicaudata*, - Brooks, Rep. sci. Res. expl. Voyage Challenger, Zool. 16: 78-79 [remarks].
 1913 *Gonodactylus furcicaudatus*, - Kemp, Mem. Indian Mus., 4: 176-177.
 1926 *Gonodactylus furcicaudatus*, - Hansen, Siboga Exped. Monogr., 35: 33.
 1940 *Gonodactylus furcicaudatus*, - Komai, Annot. Zool. Japon., 19 (1): 47-50, fig. 1.
 1988 *Gonodactylus furcicaudatus*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.

Distribution: type locality unknown; other records from Indonesia, Japan (Okinawa) and French Polynesia (Society Archipelago, NE of Tahiti: Makatea).

Habitat: coral reefs.

Colour note: Komai (1940: 50).

Size: 27.5mm; %, 24mm.

Mesacturus kempi (Odhner, 1923)

- 1923 *Gonodactylus kemp*i Odhner, Medd. Göteborg. Mus. Zool., 30: 9-10, figs. 9-10.
 1969 *Mesacturus kemp*i, - Manning, Proc. biol. Soc. Wash., 82: 153 [in key].

Distribution: Ellice Islands (Nine).

Depth range: ?littoral.

Habitat: coral reef.

Size: ♂, 28mm.

Hemisquillidae

1980 Hemisquillidae Manning, Proc. biol. Soc. Wash., 93 (2): 366 [diagnosis].

Hemisquilla Hansen, 1895

- 1895 *Hemisquilla* Hansen, Ergebn. Plankton-Exped. Humboldt-Stiftung, 2: 72 [diagnosis].
 1968 *Hemisquilla*, Manning, Bull. mar. Sci., 18 (1): 138 [key].
 1969 *Hemisquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 242-243 [diagnosis, remarks].

Hemisquilla braziliensis (Moreira, 1903)

- 1903 *Pseudosquilla braziliensis* Moreira, Lavoura, 7 (1-3): 5, 2 figs.
 1905 *Pseudosquilla braziliensis*, - Moreira, Arch. Mus. Nac. Rio de Janeiro, 13: 125, pls. 1-2.
 1938 *Pseudosquilla brasiliensis*, - Balss, in: Bronn's Kl. Ordn. Tierr., 6 (1), Buch 6, (2): 129 [text].
 1940 *Hemisquilla braziliensis*, - Schmitt, Allan Hancock Found. Pac. Exped., 5 (4): 182, fig. 18b.
 1951 *Hemisquilla braziliensis*, - de Andrade Ramos, Bol. Inst. oceanogr., São Paulo, 2 (1): 142, 148, pl. 1, fig. 4.
 1955 *Hemisquilla braziliensis*, - Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 31-33, pl. 9, fig. 41, pl. 15, fig. 50.
 1962 *Hemisquilla braziliensis*, - Serène, Bull. Inst. océanogr. Monaco, 1241: 7 [text].
 1966 *Hemisquilla braziliensis*, - Manning, Ann. Inst. océanogr. Monaco, 44: 376-378, fig. 7.
 1969 *Hemisquilla braziliensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 243-248, figs. 68-69 [references].
 1972 *Hemisquilla brasiliensis*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].

Distribution: tropical W-Atlantic. - Brazil (from Espiritu Santo southward to Santos).

Depth range: 37-100m.

Colour note: Moreira (1905), Manning (1969: 246) and (1966: 376).

Size: ♀, 78-163mm; ♂, 129mm.

Remarks: This species is very similar to *H. ensigera*. The distinguishing features of both species are pointed out in Manning (1969: 246).

Hemisquilla ensigera (Owen, 1832)

- 1940 *Hemisquilla stylifera*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 182-183, fig. 18a.
 1954 *Hemisquilla stylifera*, - Dahl, Acta Univ. Lund. N.F., Avd. 2, Bd. 49 (17): 6-7.

- 1963 *Hemisquilla ensigera*, - Manning, *Crustaceana*, 5 (4): 315.
- 1967 *Hemisquilla ensigera*, - Stephenson, *Proc. U.S. natn. Mus.*, 120 (3564): 1-16, figs. 1-3 [comparison of Australasian and American specimens].
- 1970 *Hemisquilla ensigera ensigera*, - Del Solar, *Bol. Soc. Geogr. Lima*, 89: 47.
- 1970 *Hemisquilla ensiger*, - Fonseca, *Inst. Mar del Perú, Informe no. 35*: 79, fig. 193.
- 1970 *Hemisquilla ensigera ensigera*, - Fonseca, *Inst. Mar del Perú, Informe no. 35*: 79.
- 1970 *Hemisquilla ensigera ensigera*, - Del Solar, *Blancasw & Mayta, Catalogo de Crustaceos del Perú, Lima*: 298.
- 1972 *Hemisquilla californiensis*, - Manning, *Zoologica, N.Y.*, 56: 105-106, tab. 3 [also discussion of subspecies].
- 1972 *Hemisquilla ensigera ensigera*, - Manning, *Proc. biol. Soc. Wash.*, 85 (24): 298-300, fig. 1.
- 1974 *Hemisquilla ensigera*, - Manning, *Steenstrupia*, 3: 104.
- 1980 *Hemisquilla ensigera californiensis*, - Brusca, *Stomatopoda*, in: *Common intertidal invertebrates of the Gulf of California*; 2nd ed., Univ. Arizona Press: 244-246.
- 1989 *Hemisquilla ensigera californiensis*, - v. Basch & Engle, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 199-212, figs. 1-3, tab. 1 [ecology, behaviour, prey].
- 1989 *Hemisquilla ensigera californiensis*, - Hendrickx & Salgado-Barragan, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 243, 244, tab. I, 247, tab. II, 248.
- 1990 *Hemisquilla ensigera californiensis*, - Hendrickx, *Rev. Biol. Trop.*, 38 (1): 36-38.
- 1991 *Hemisquilla ensigera californiensis*, - Illescas-Monterroso, Salgado-Barragán, Villalobos-Hiriart, *An. Inst. Biol., Univ. Nac. Autón. México*, 62 (3): 433-436.
- 1992 *Hemisquilla ensigera californiensis*, - Baensch & Debelius, *Meerwasser Atlas*; Mergus Verl. Natur- und Heimtierkunde: 675, colour photo.

Distribution: *ssp. californiensis* known from southern California and entire Gulf of California, south to Panama (Gulf of Chiriqui); *ssp. ensigera ensigera*: Peru; Chile (Valparaiso); Islas Juan Fernandez.

Depth range: 20-200m.

Habitat: sandy mud and rubble bottoms.

Size: %, 90-205mm; size up to 250mm; &-postlarva, 29.5mm.

Remarks: In the Gulf of California it is sometimes eaten by local fishermen and the blue uropods are utilized by handicraftsmen (Hendrickx & Salgado-Barragan, 1989: 248).

Odontodactylidae

- 1980 *Odontodactylidae* Manning, *Proc. biol. Soc. Wash.*, 93 (2): 366 [diagnosis].

Odontodactylus Bigelow, 1893

- 1893 *Odontodactylus* Bigelow, *Proc. U.S. natn. Mus.*, 17: 495-496 [diagnosis, remarks].
- 1967 *Odontodactylus*, - Manning, *Proc. U.S. natn. Mus.*, 123 (3606): 1-35 [review of the genus]; 4-6 [references, diagnosis, remarks], 6 [key to species].
- 1968 *Odontodactylus*, - Manning, *Proc. U.S. natn. Mus.*, 124 (3641): 41 [remarks].

- 1969 *Odontodactylus*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 284-285 [diagnosis, remarks].
- 1970 *Odontodactylus*, - Michel, Ca. O.R.S.T.O.M., sér. Océanogr., 8 (2): 111-126, figs. 1-9 [description of larvae caught in the SW-tropical and equatorial Pacific, which have been assigned to the species *O. brevirostris*, *scyllarus* and *hawaiiensis*].

Synonymy: *Gamaris*; *Odonterichthus*.

***Odontodactylus brevirostris* (Miers, 1884)**

- 1884 *Gonodactylus brevirostris* Miers, Crustacea, in: Report of the Zoological Collections made in the Indo-Pacific during the voyage of H.M.S. "Alert", 1881-82: 567, pl. 52, fig. C [*Gonodactylus elegans* in legend].
- 1893 *Gonodactylus Havanensis* Bigelow, John Hopkins Univ. Circ., 12: 101.
- 1893 *Gonodactylus Hansenii* Pocock, Ann. Mag. Nat. Hist., ser. 6, 11: 477, pl. 20B, figs. 3-3b.
- 1894 *Odontodactylus havanensis* Bigelow, Proc. U.S. natn. Mus., 17: 497-498, figs. 1-2, pl. 20.
- 1906 *Odontodactylus brevirostris*, - Tattersall, in: Report to the Government of Ceylon on the Pearl Oyster Fisheries of the Gulf of Manaar, 5: 172, pl. 2, figs. 16-18.
- 1907 *Odontodactylus latirostris* Borradaile, Trans. Linn. Soc. Lond., Zool., ser. 2, 12: 212-213, pl. 22, fig. 3,3a.
- 1913 *Odontodactylus latirostris*, - Kemp, Mem. Indian Mus., 4 (1): 141-142.
- 1913 *Odontodactylus brevirostris*, - Kemp, Mem. Indian Mus., 4 (1): 143-144.
- 1913 *Odontodactylus southwelli*, - Kemp, Mem. Indian Mus., 4 (1): 142, pl. IX, figs. 103-106.
- 1921 *Odontodactylus hansenii*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 297-299, fig. 1f.
- 1926 *Odontodactylus hansenii*, - Hansen, Siboga Exped. Monogr., 35: 23-24, 44 [larvae], pl. 2, figs. 7-9.
- 1927 ?*Odontodactylus japonicus*, - Komai, Mem. Coll. Sci. Kyoto Univ., ser. B., 3 (3): 336 [part].
- 1931 *Odontodactylus hansenii*, - Bigelow, Bull. Mus. Comp. Zool., Harvard, 72 (4): 147-151, fig. 2.
- 1937 *Odontodactylus havanensis*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 5-6, fig. 2.
- 1941 *Odontodactylus havanensis*, - Holthuis, Zool. Meded., 23: 37.
- 1942 *Odontodactylus nigricaudatus* Chace, Proc. New England Zool. Club, 19: 88, pl. 28.
- 1953 *Odontodactylus hansenii*, - Townsley, Pac. Sci., 7 (4): 421-423, figs. 18-19.
- 1954 *Odontodactylus nigricaudatus*, - Chace, Fish. Bull., U.S. Fish Wildl. Serv., 89: 449.
- 1967 *Odontodactylus brevirostris*, - Manning, Proc. U.S. natn. Mus., 123 (3606): 22-29, fig. 6-8.
- 1969 *Odontodactylus brevirostris*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 285-291, figs. 80-81 [synonymy].
- 1972 *Odontodactylus brevirostris*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].
- 1984 *Odontodactylus brevirostris*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 426.
- 1984 *Odontodactylus brevirostris*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 75.
- 1985 *Odontodactylus brevirostris*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 382.

- 1988 *Odontodactylus southwelli*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.
- 1990 *Odontodactylus brevirostris*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 115, fig. 16.
- 1991 *Odontodactylus brevirostris*, - Manning, Smiths. Contr. Zool., 521: 4, 14 [tab.].
- 1991 *Odontodactylus brevirostris*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 161-162.

Distribution: Widely distributed in the Indo-West Pacific and W-Atlantic. - Seychelles; Maldives (east of Lowi and Lowalafuri IIs., south entrance to Fadifolla Atoll); Providence Island, N of Madagascar; Amirante Islands; India (Andaman Islands: off Cinque Island; off Interview Island); Sri Lanka (Manaar); Macclesfield Bank, south China Sea; Indonesia (Makassar Strait; Saleh Bay, Sumbawa; Mamoedjoe, W of Sulawesi; Lembeh Strait, Sulawesi; Celebes); SW of Papua New-Guinea (Irian Jaya); Kermadec Islands (Raoul Island); Philippines; ?Australia; New Caledonia; Hawaii (Molokai Is.; Pailolo Channel; off Kauai Is.; Penguin Bank, S-coast of Oahu; Hawaii Is.). W-Atlantic. - (Colombia: Santa Marta area: Bahía Chengue; Isla Aguja); Gulf of Mexico; Florida; Curaçao.

Depth range: 10-439m, usually less than 100m; juveniles have been found on surface.

Habitat: "grey muddy sand, shells and Lithothamnion"; "sand, coral and mud" (Hansen, 1926: 23); "shell sand and calcareous algal gravel" (Moosa, 1991: 162); sones.

Colour note: Moosa (1991: 162) and Manning (1969: 289).

Size: ♀, 13-75.5mm; ♂, 13.7-79.4mm; postlarva, 13mm.

Odontodactylus cultrifer (White, 1850)

- 1850 *Gonodactylus cultrifer* White, Proc. Zool. Soc. Lond., 18: 96, pl. 16, figs. 1-2.
- 1851 *Gonodactylus cultrifer*, - White, Ann. Mag. Nat. Hist., ser. 2, 7: 422.
- 1880 *Gonodactylus cultrifer*, - Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 118.
- 1893 *Gonodactylus carinifer* Pocock, Ann. Mag. Nat. Hist., ser. 6, 11: 478, pl. 20B, figs. 4a-b.
- 1894 *Odontodactylus carinifer*, - Bigelow, Proc. U.S. natn. Mus., 17: 496 [key].
- 1894 *Odontodactylus cultrifer*, - Bigelow, Proc. U.S. natn. Mus., 17: 496 [key].
- 1901 *Gonodactylus cultrifer*, - Lanchester, Proc. Zool. Soc. London, 1901: 555.
- 1913 *Odontodactylus cultrifer*, - Kemp, Mem. Indian Mus., 4 (1): 137-138.
- 1913 *Odontodactylus carinifer*, - Kemp, Mem. Indian Mus., 4 (1): 138-139.
- 1918 *Odontodactylus cultrifer*, - Sunier, Contr. Faune Indes Neerl., 1, fasc. 4: 11.
- 1921 *Odontodactylus cultrifer*, - Kemp & Chopra, Rec. Indian Mus., 22: 297 [list], 307-308 [comparison with *O. scyllarus*].
- 1923 *Odontodactylus cultrifer*, - Odhner, Göteborg Vetensk. Samh. Handl., ser. 4, 27 (4): 7.
- 1926 *Odontodactylus cultrifer*, - Hansen, Siboga Exped. Monogr., 35: 23 [in discussion].
- 1929 *Odontodactylus cultrifer*, - Schmitt, Lignan Sci. J., 8: 147 [list].
- 1930 *Odontodactylus mindanaoensis* Roxas & Eastampador, Nat. App. Sci. Manila, 1:

- 115-117, pl. IV, figs. 1-3.
- 1933 *Odontodactylus carinifer*, - Gravier, Bull. Mus. Hist. Nat., Paris, ser. 2, 5: 78, figs. 3-5.
- 1937 *Odontodactylus carinifer*, - Serène, Notes Inst. Océanogr. Indochine, 30: 68 [list].
- 1952 *Odontodactylus carinifer*, - Dawydoff, Biol. Bull. France Belg., suppl. 37: 145 [in discussion].
- 1952 *Odontodactylus cultrifer*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 10-11.
- 1953 *Odontodactylus carinifer*, - Serène, Proc. 7th Pac. Sci. Congr., 1949, 4: 506.
- 1954 *Odontodactylus cultrifer*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6, 8, 11, 13, 17, 72, pl. 6, figs. 5-6.
- 1954 *Odontodactylus cultrifer* var. *tridentata*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6-8, 72, pl. 6, figs. 7-8.
- 1955 *Odontodactylus cultrifer*, - Stephenson & McNeill, Rec. Austr. Mus., 23: 248.
- 1962 *Odontodactylus cultrifer*, - Serène, Bull. Inst. Océanogr. Monaco, 1241: fig. 1E2.
- 1962 *Odontodactylus cultrifer*, - Stephenson, J. Roy. Soc. W. Australia, 45 (2): 35.
- 1966 *Odontodactylus cultrifer*, - Manning, Rec. Austr. Mus., 27 (4): 105-106.
- 1967 *Odontodactylus cultrifer*, - Manning, Proc. U.S. natn. Mus., 123 (3606): 18-22, fig. 5 [synonymy].
- 1974 *Odontodactylus cultrifer*, - Blumstein, Crustaceana, 26 (2): 126.
- 1975 *Odontodactylus cultrifer*, - Moosa, Mar. Res. Indonesia, 15: 7.
- 1979 *Odontodactylus cultrifer*, - Makarov, Zool. Zh., 57 (2): 188.
- 1985 *Odontodactylus cultrifer*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 382.
- 1991 *Odontodactylus cultrifer*, - Manning, Smiths. Contr. Zool., 521: 5.
- 1991 *Odontodactylus cultrifer*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 162.

Distribution: Widely distributed in the Indo-West Pacific. - Indonesia (Seribu Islands); Viet Nam (Gulf of Tonkin; Poulo Condore IIs.); China; Philippines (Maculabo Is.; Malatrjo Point, Batanjas); Australia (Queensland: NW of Bustard Head, off Port Curtis; Platypus Bay; Moreton Bay; Holothuria Bank; Exmouth Gulf, W-Australia); Papua New-Guinea; Japan; New Caledonia.

Depth range: 22-76m.

Habitat: muddy sand.

Colour note: Manning, 1967: 21), Komai (1927, 1938) and Stephenson (1952).

Size: ♀, 28-125.4mm; ♂, 57.3-118.2mm.

***Odontodactylus hawaiiensis* Manning, 1967**

- 1931 *Odontodactylus japonicus*, - Bigelow, Bull. Mus. Comp. Zool. Harvard, 72 (4): 145-147, pl. 1, fig. 1 [non *O. japonicus* de Haan, 1844)].
- 1946 *Odontodactylus japonicus*, - Edmondson, Spec. Publ. Bernice P. Bishop Mus., 2: 243 [non *O. japonicus* de Haan, 1844)].
- 1967 *Odontodactylus hawaiiensis* Manning, Proc. U.S. natn. Mus., 123 (3606): 16-18, fig. 4, pl. 1.
- 1991 *Odontodactylus hawaiiensis*, - Moosa, Stomatopoda, in: Le benthos des fonds

meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 162.

Distribution: New Caledonia; Chesterfield Islands; Hawaii (off coast of Maui Is., Molokai Is., Hawaii Is.).

Depth range: 109-276m.

Colour note: Manning (1967: 18).

Size: ♀, 32.2-107mm; ♂, 29.4-81mm.

Odontodactylus japonicus (de Haan, 1844)

- 1844 *Gonodactylus japonicus* de Haan, in: Fauna Japonica sive descriptio animalium, ...: pl. 51, fig. 7.
- 1845 *Gonodactylus Edwardsii* Berthold, Nachr. Ges. Wiss. Göttingen, 1845: 48.
- 1847 *Gonodactylus Edwardsii*, - Berthold, Abh. Ges. Wiss. Göttingen, 3: 30, pl. 3, fig. 6.
- 1849 *Gonodactylus japonicus* de Haan, in: Fauna Japonica sive descriptio animalium, ...: 225 [text].
- 1893 *Gonodactylus edwardsii* Sharp, Proc. Acad. Nat. Sci. Philad.: 105.
- 1894 *Odontodactylus japonicus*, - Bigelow, Proc. U.S. natn. Mus., 17: 496 [key].
- 1907 *Odontodactylus japonicus*, - Borradaile, Trans. Linn. Soc. Lond., ser. 2, 12: 212.
- 1910 *Gonodactylus edwardsii*, - Balss, Abh. math.-phys. Kl. K. Bayer. Akad. Wiss., Suppl. 2 (2): 5.
- 1913 *Odontodactylus japonicus*, - Kemp, Mem. Indian Mus., 4 (1): 139-140.
- 1916 *Odontodactylus japonicus*, - Alexander, J. Roy. Soc. W-Australia, 1: 10.
- 1921 *Odontodactylus japonicus*, - Kemp & Chopra, - Rec. Indian Mus., 22: 297 [list].
- 1922 *Odontodactylus japonicus*, - Komai, Annot. Zool. Japon., 10: 102, figs. 1-2.
- 1922 *Odontodactylus japonicus*, - Parisi, Atti. Soc. Ital. Sci. Nat., 61: 110, fig. 5.
- 1925 *Gonodactylus edwardsii*, - Gee, Lingnan Agric. Rev., 3: 163.
- 1927 *Odontodactylus japonicus*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 3 (3): 336-338, pl. XIII, figs. 3-4.
- 1927 *Odontodactylus japonicus*, - Komai, Akatsuka & Ikari, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 3 (3): 295 [list].
- 1929 *Odontodactylus japonicus*, - Komai & Ikari, Rec. Oceanogr. Works Japan, 1: 121.
- 1929 *Odontodactylus japonicus*, - Schmitt, Lingnan Sci. J., 8: 147 [list].
- 1938 *Odontodactylus japonicus*, - Komai, Annot. Zool. Japon., 17 (3-4): 272, fig. 2.
- 1941 *Odontodactylus japonicus*, - Holthuis, Temminckia, VI: 276 [synonymy].
- 1940 *Odontodactylus japonicus*, - Anonymous, in: Illustrated encyclopedia of the fauna of Japan, Tokyo: 845, fig. 2428, pl. 7 [colour].
- 1955 *Odontodactylus japonicus*, - Stephenson & McNeill, Rec. Austr. Mus., 23: 248-249.
- 1956 *Odontodactylus japonicus*, - Utinomi, Coloured illustration of sea shore animals of Japan: 92, pl. 46, fig. 8 [colour].
- 1960 *Odontodactylus japonicus*, - Utinomi, in: Encyclopedia zoologica illustrated in colours, vol. 4, Tokyo: 114, pl. 57, fig. 2 [colour].
- 1960 *Odontodactylus japonicus*, - Stephenson, Qd. Nat., 16: 61.
- 1962 *Odontodactylus japonicus*, - Stephenson, J. Roy. Soc. W-Australia, 45 (2): 35.
- 1964 *Odontodactylus japonicus*, - Shiino, in: Animal phylogenetic systematics, Tokyo, 7 (1): 291 [discussion].

- 1965 *Odontodactylus japonicus*, - Manning, Crustaceana, 9 (3): 260.
 1967 *Odontodactylus japonicus*, - Manning, Proc. U.S. natn. Mus., 123 (3606): 7-10, fig. 2 [synonymy].
 1968 *Odontodactylus japonicus*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 41-42.

Distribution: known from many localities in China and Japan (Hayama, Sagami Bay); also from Australia (W-Australia; off Wistari Reef, Capricorn Group, Queensland); Seychelles; Madagascar (Ambovombe).

Depth range: shallow water-200m.

Habitat: shelly sand.

Colour note: colouration sexually dimorphic, as shown by Komai (1927: 336).

Size: ♀, 115.3-150mm; ♂, 82-141mm.

***Odontodactylus scyllarus* (Linnaeus, 1758)**

- 1767 *Cancer scyllarus* Linnaeus, Systema Naturae, 12th ed., 1 (2): 1054.
 1811 *Squilla scyllarus*, - Latreille, Hist. Nat. Crust. Ins., 6: 279.
 1913 *Odontodactylus scyllarus*, - Mem. Indian Mus., 4 (1): 135-137 [older references].
 1921 *Odontodactylus scyllarus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 308 [text, comparison with *O. cultrifer*].
 1926 *Odontodactylus scyllarus*, - Hansen, Siboga Exped. Monogr., 35: 22, 42 [larvae].
 1927 *Odontodactylus scyllarus*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B (3): 335, pl. 13, fig. 2.
 1937 *Odontodactylus scyllarus*, - Gravier, Ann. Inst. Océanogr., 17 (3): 200, 17-19.
 1941 *Odontodactylus scyllarus*, - Holthuis, Temminckia, VI: 275-276.
 1949 *Odontodactylus scyllarus*, - Anonymous, Illustrated encyclopedia of the fauna of Japan, Tokyo: 845, fig. 2429 [colour].
 1955 *Odontodactylus scyllarus*, - Stephenson & McNeill, Rec. Austr. Mus., 23: 248.
 1956 *Odontodactylus scyllarus*, - Utinomi, Coloured illustrations of sea shore animals of Japan: 92, pl. 46, fig. 7.
 1958 *Odontodactylus scyllarus*, - Barnard, Mem. Mus. Alvaro de Castro, 4: 22.
 1958 *Odontodactylus scyllarus*, - Kalk, in: A natural history of Inhaca Island, Mozambique: 75, 83.
 1959 *Odontodactylus scyllarus*, - Holthuis, Notes on pre-Linnaean carcinology...: 119, photo 10 (fig. 4).
 1960 *Odontodactylus scyllarus*, - in: Encyclopedia zoologica illustrated in colours, Tokyo: 114, pl. 57, fig. 3.
 1962 *Odontodactylus scyllarus*, - Serène, Bull. Inst. Océanogr. Monaco, 1241: fig. 1E1.
 1962 *Odontodactylus scyllarus*, - Stephenson, J. Roy. Soc. W-Australia, 45 (2): 35.
 1967 *Odontodactylus scyllarus*, - Manning, Proc. U.S. natn. Mus., 123 (3606): 10-15, fig. 3 [synonymy].
 1968 *Odontodactylus scyllarus*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 42.
 1969 *Odontodactylus scyllarus*, - Manning, Smiths. Contr. Zool., 1: 6-7.
 1972 *Odontodactylus scyllarus*, - Tomey, Aquarien-Mag., 6 (1): 18-19, 2 pls.
 1977 *Odontodactylus scyllarus*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 12-13, fig. 6c-e.
 1977 *Odontodactylus scyllarus*, - Manning, Rev. Suisse Zool., 84 (2): 284.

- 1984 *Odontodactylus scyllarus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 38-39.
- 1984 *Odontodactylus scyllarus*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 426.
- 1991 *Odontodactylus scyllarus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 163.
- 1992 *Odontodactylus scyllarus*, - Baensch & Debelius, Meerwasser Atlas; Mergus Verl. Natur- und Heimtierkunde: 676, 4 colour photos.
- 1992 *Odontodactylus scyllarus*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 11 [list].

Distribution: Kenya (Kilifi, N of Mombasa); Zanzibar; Amirante Islands (Purse Is., Iles des Roches); Seychelles; Mozambique (Inhassaro; Delagoa Bay); Providence Island, N of Madagascar; Mozambique; Madagascar; La Réunion; Mauritius; Christmas Iasland; Indo-Malaya; Thailand (Andaman Sea: Ko Phuket); Gulf of Thailand; Indonesia (Jakarta; Flores; Lamakera; Timor; Ambon; Moluccas); Papua New-Guinea; Banda Sea; Viet Nam (Baie de Lovane); Philippines (Calapan, Puerto Galera, Mindoro); New Britain (Blanche Bay); Japan (Wakanoura); Australia (Christmas Island); New Caledonia (St. Vincent Bay, Ilot Coco); Fiji Islands (Rotuma); Caroline Islands (Ifaluk Atoll); American Samoa (Tutuila); Samoa; Santa Cruz Islands (Vanikoro).

Depth range: 2-72m.

Habitat: often in coral reef locations. - "coral blocks and fragments, with sandy organic material" (Moosa, 1984: 38).

Colour note: Dingle, Caldwell & Manning, 1977: 12-13) and Manning (1967: 14).

Size: ♀, 53.9-173mm; ♂, 13-144mm.

Additional synonymy: *Gonodactylus bleekeri*, *Gonodactylus elegans*.

Protosquillidae

- 1980 Protosquillidae Manning, Proc. biol. Soc. Wash., 93 (2): 366 [diagnosis, including general].
- 1981 Protosquillidae, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 8 [diagnosis, remarks].

Chorisquilla Manning, 1969

- 1969 *Chorisquilla* Manning, Proc. biol. Soc. Wash., 82: 157-159 [diagnosis, remarks, key to species].

Chorisquilla brooksii (de Man, 1887)

- 1887 *Protosquilla brooksii* de Man, Arch. Naturgesch., 53 (1): 579, pl. 22, fig. 8.
- 1910 *Protosquilla brooksii*, - Fukuda, Annot. Zool. Japon., VII: 140, pl. IV,

figs. 1, 1a.

- 1913 *Gonodactylus brooksii*, - Kemp, Mem. Indian Mus., 4 (1): 189-190.
 1941 *Gonodactylus brooksii*, - Holthuis, Temminckia, VI: 290-292.
 1947 *Gonodactylus brooksii*, - Serène, Bull. Mus. Hist. nat., Paris, 19 (5): 387-389, pls. III-IV.
 1973 *Chorisquilla brooksii*, - Moosa, Mar. Res. Indonesia, 13: 4 [references].
 1975 *Chorisquilla brooksii*, - Moosa, Mar. Res. Indonesia, 15: 3.

Distribution: Indonesia (Maluku waters; Edam Island, Jakarta Bay; Sebaru Besar Island; Burung Island, Tikus Island); Vietnam (Nhatrang).

Depth range: shallow water.

Habitat: "coarse sand cay with marginal corals" (Moosa, 1973: 4); "coral and sand" (Moosa, 1975: 3).

Size: ♀, 27mm; ♂, 27.2-35mm.

Chorisquilla excavata (Miers, 1880)

- 1880 *Gonodactylus excavatus* Miers, Ann. Mag. Nat. Hist., (5) 5: 123, pl. 3, figs. 11-12.
 1886 *Protosquilla excavata*, - Brooks, Sci. Rep. Voy Challenger (Zool.), 16: 78 [list, diagnosis].
 1913 *Gonodactylus excavatus*, - Kemp, Mem. Indian Mus., 4 (1): 187-189, pl. X, figs. 122-123.
 1923 *Gonodactylus excavatus*, - Odhner, Medd. Göteb. Mus. Zool., 30: 15.
 1926 *Gonodactylus excavatus*, - Hansen, Siboga Exped. Monogr., 35: 36, pl. II, fig. 4a.
 1975 *Chorisquilla excavata*, - Manning, Proc. biol. Soc. Wash., 88 (24): 254-255, fig. 1a-b.
 1975 *Chorisquilla pococki* Manning, Proc. biol. Soc. Wash., 88 (24): 256-258, figs. 1b, 2.
 1975 *Chorisquilla andamanica* Manning, Proc. biol. Soc. Wash., 88 (24): 258-260, fig. 3.
 1988 *Chorisquilla andamanica*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 653-654.
 1986 *Chorisquilla excavata*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 383-384, fig. 4.
 1991 *Chorisquilla excavata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 163.

Distribution: Indonesia (Lombok; Talaud Islands; Timor); South China Sea (Macclesfield Bank); Bonin Islands; off Andaman Islands (off Little Andaman Island; off Table Island); Philippines; Ogasawara Islands; New Caledonia; Chesterfield Islands.

Depth range: 9-40m.

Habitat: "mud and hard sand"; "sand, coral and lithothamnion" (Manning, 1975: 256, as *C. pococki*); "coral sand, coral boulder or sand bottom with algae" (Moosa, 1991: 164).

Size: ♀, 12-34mm; ♂, 18-28mm.

Remarks: Moosa (1986: 383) discusses the confusing synonymy.

***Chorisquilla gyrosa* (Odhner, 1923)**

- 1923 *Gonodactylus gyrosus* Odhner, Medd. Göt. Mus. Zool. Avd., 30: 11-13, figs. 4-5.
 1952 *Gonodactylus gyrosus*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 349-363, fig. 5.
 1962 *Gonodactylus gyrosus*, - Manning, Postilla, Yale Peabody Mus., 68: 12.
 1969 *Chorisquilla gyrosa*, - Manning, Proc. biol. Soc. Wash., 82: 158 [in key].

Distribution: Seychelles; Andaman Islands; Diego Garcia; Gilbert Islands (Arno Atoll); Marshall Islands.

Colour note: Odhner (1923: 12-13); Tiwari & Biswas (1952: 363, pigment pattern in fig. 5).

Size: ♀, 29mm.

***Chorisquilla hystrix* (Nobili, 1899)**

- 1899 *Protosquilla hystrix* Nobili, Ann. Mus. Civ. Genova, 20 (2): 276.
 1913 *Gonodactylus hystrix*, - Kemp, Rec. Indian Mus., 4: 190.

Distribution: British New Guinea (Beagle Bay).

Size: 15mm.

***Chorisquilla quinquelobata* (Gordon, 1935)**

- 1935 *Gonodactylus quinquelobatus* Gordon, Ann. Mag. Nat. Hist., 16 (10): 635-637, fig. 3.
 1969 *Chorisquilla quinquelobata*, - Manning, Proc. biol. Soc. Wash., 82: 159 [in key].

Distribution: Christmas Island, Indian Ocean.

Depth range: shallow water.

Habitat: found on pilings of a pier.

***Chorisquilla spinosissima* (Pfeffer, 1888)**

- 1888 *Gonodactylus spinosissimus* Pfeffer, Jb. Hamburg. Wiss. Anst., 6: 35.
 1906 *Protosquilla spinosissima*, - Tattersall, Ceylon Pearl Oyster Rep., V: 173, pl. II, fig. 19.
 1913 *Gonodactylus spinosissimus*, - Kemp, Mem. Indian Mus., 4: 191-192, pl. X, figs. 124-125 [references].
 1915 *Gonodactylus spinosissimus*, - Kemp, Philippine J. Sci., D, 10 (3): 186.
 1921 *Gonodactylus spinosissimus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 311.
 1926 *Gonodactylus spinosissimus*, - Hansen, Siboga Exped. Monogr., 35: 38.
 1939 *Gonodactylus spinosissimus*, - Serène, Bull. Soc. Zool. Fr., 64: 347-348.
 1941 *Gonodactylus spinosissimus*, - Holthuis, Temminckia, VI: 292-293, fig. 9c [synonymy].
 1953 *Gonodactylus spinosissimus*, - Serène, Proc. 7th. Pac. Sci. Congr., 1949, 4: 507.
 1954 *Gonodactylus spinosissimus*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6, 52 [list].

- 1963 *Gonodactylus spinosissimus*, - Ingle, Bull. Sea Fish. Res. Stat. Haifa, 33: 31, fig. 30.
- 1968 *Protosquilla spinosissima*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 55-56.
- 1968 *Protosquilla spinosissima*, - McNeill, Sci. Rep. Great Barrier Reef Exped. 1928-29, 7 (1): 89-90.
- 1991 *Chorisquilla spinosissima*, - Manning, Smiths. Contr. Zool., 521: 5.
- 1991 *Chorisquilla spinosissima*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 164.

Distribution: Indo-West Pacific. - Red Sea (Obock; Gulf of Aden); Kenya (Mombasa); Madagascar (Nosy Bé); Sri Lanka; Murray Islands; Andaman Islands; Indonesia (Biaro); Philippines; Australia; Japan; New Caledonia.

Depth range: intertidal-90m, usually in shallow water.

Habitat: coral reefs. - among corals, on coral sand, or associated with *Halimeda* and *Lithothamnion*.

Colour note: Manning (1968: 55), Kemp (1913: 192).

Size: ♀, 20-27mm; ♂, 16-27mm.

***Chorisquilla trigibbosa* (Hansen, 1926)**

- 1926 *Gonodactylus trigibbosus* Hansen, Siboga Exped. Monogr., 35: 36-38, pl. II, fig. 5a-b.
- 1969 *Chorisquilla trigibbosa*, - Manning, Proc. biol. Soc. Wash., 82: 159 [in key].

Distribution: Indonesia (Saleyer); Australia (Queensland); Lord Howe Island.

Habitat: "mud, coral and *Lithothamnion*" (Hansen, 1926: 36).

Additional synonymy: *Gonodactylus tweediei*, in Serène (1952), ref. see bibliography.

***Chorisquilla tuberculata* (Borradaile, 1907)**

- 1907 *Protosquilla tuberculata* Borradaile, Trans. Linn. Soc. Zool., 12 (2): 209-210, pl. 22, fig. 1.
- 1921 *Gonodactylus tuberculatus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 311.
- 1938 *Gonodactylus tuberculatus*, - Komai, Annot. Zool. Japon, 17 (3-4): 273-275, fig. 3.
- 1972 *Chorisquilla tuberculata*, - Michel & Manning, Crustaceana, 22: 113-125, figs. 1-5, tabs. I-II [larvae].
- 1991 *Chorisquilla tuberculata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 164.

Distribution: Providence Island, N of Madagascar; Japan; New Caledonia.

Depth range: littoral-70m.

Size: ♂, 19.5mm.

Remarks: Larvae and postlarvae were found in New Caledonia

in the stomach of the yellowfin tuna, *Thunnus albacares*.

Chorisquilla tweediei (Serène, 1950)

- 1950 *Gonodactylus tweediei* Serène, Bull. Mus. natn. Hist. nat., (2) 22 (5): 571-572.
 1952 *Gonodactylus tweediei*, - Serène, Rec. Austr. Mus., 23 (1): 16, fig. 33, pl. 3, figs. 1-5.
 1952 *Gonodactylus tweediei*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 13.
 1955 *Gonodactylus tweediei*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 252.
 1991 *Chorisquilla tweediei*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 164-165.

Distribution: Australia (Cayes Island, NW Capricorn group); Lord Howe Island; New Caledonia (Point Desire).

Depth range: 1-7.2m.

Habitat: coral reefs.

Size: ♀, 20-28mm; ♂, 19-24mm.

Echinosquilla Manning, 1969

- 1969 *Echinosquilla* Manning, Proc. biol. Soc. Wash., 82: 155-157 [diagnosis, remarks].

Echinosquilla guerinii (White, 1861)

- 1861 *Gonodactylus guerinii* White, Proc. zool. Soc. Lond.: 43, pl. 7.
 1880 *Gonodactylus Guerinii*, - Miers, Ann. Mag. Nat. Hist., (5) 25: 43.
 1886 *Protosquilla guerinii*, - Brooks, Rep. Sci. Res. Challenger (Zool.), 16: 75-78, pl. 16, figs. 1-6.
 1913 *Gonodactylus guerini*, - Kemp, Mem. Indian Mus., 4 (1): 192-193.
 1914 *Gonodactylus (Protosquilla) Guerini*, - Bouvier, C. r. hebd. Séanc. Acad. Sci., Paris, 169: 698.
 1915 *Gonodactylus (Protosquilla) Guerini*, - Bouvier, Bull. sci. Fr. Belg., 7e sér., 48 (3): 313, pl. II, fig. 6.
 1921 *Gonodactylus guerinii*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 299-300, fig. 1g.
 1953 *Gonodactylus guerini*, - Townsley, Pac. Sci., 7 (4): 423-425, figs. 20-21.
 1962 *Gonodactylus guerini*, - Manning, Postilla, Yale Peabody Mus., 68: 12-13.
 1966 *Protosquilla guerini*, - Miyake & Hashiguchi (1966): A new record for *Protosquilla guerini* (White) from the Tosa Bay, Japan (Crustacea, Stomatopoda). - J. Fac. Agric., Kyushu Univ., 13 (4): 705-709, figs. 1-2.
 1969 *Echinosquilla guerinii*, - Manning, Proc. biol. Soc. Wash., 82: 155, fig. 5 [in discussion].
 1977 *Echinosquilla guerinii*, - Manning, Rev. Suisse Zool., 84 (2): 280.
 1984 *Gonodactylus guerini*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 38-39.
 1984 *Echinosquilla guerinii*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 426.

- 1987 *Echinosquilla guerinii*, - Duris, Zool. Zh., 66 (6): 938-939, pl. 1.
 1991 *Echinosquilla guerinii*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 165.

Distribution: Gulf of Aden (off Sokotra Island); Seychelles; off Tanzania; Mauritius; La Réunion; Fiji Islands (Matuka); New Caledonia; Chesterfield Islands (Bellona Island); Hawaii.

Depth range: 40-100m.

Colour note: Miyake & Hashiguchi (1966: 708).

Size: ♀, 55-78.4mm; ♂, 28-81mm.

Remarks: for life observation in aquarium see Townsley (1953: 424-425).

***Haptosquilla* Manning, 1969**

- 1969 *Haptosquilla* Manning, Proc. biol. Soc. Wash., 82: 159-162 [diagnosis, remarks, key to species].
 1981 *Haptosquilla*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 8 [diagnosis, remarks].

***Haptosquilla ectypa* (Müller, 1887)**

- 1887 *Protosquilla ectypa* Müller, Verh. naturforsch. Ges. Basel, 8: 476-477, pl. 4, fig. 1.
 1913 *Gonodactylus ectypus*, - Kemp, Mem. Indian Mus., 4 (1): 185.
 1984 *Haptosquilla ectypa*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].

Distribution: Mauritius; Sri Lanka; Indonesia (Bonin Islands).

Colour note: Müller (1887: 477).

Size: 30mm.

***Haptosquilla glyptocercus* (Wood-Mason, 1875)**

- 1886 *Protosquilla cerebrealis* Brooks, Rep. sci. Res. expl. Voyage Challenger, Zool. 16: 72-75, pl. 14, figs. 2-3, pl. 16, figs. 2-3.
 1898 *Protosquilla cerebrealis*, - Borradaile, Proc. zool. Soc. Lond., 1898: 33, pl. 5, fig. 6a.
 1913 *Gonodactylus glyptocercus*, - Kemp, Mem. Indian Mus., 4 (1): 186-187 [references].
 1915 *Gonodactylus glyptocercus*, - Kemp, Philippine J. Sci., D, 10 (3): 186.
 1921 *Gonodactylus glyptocercus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 311.
 1923 *Gonodactylus glyptocercus*, - Odhner, Göteb. Vetensk. Samh. Handl., 27 (4): 13.
 1926 *Gonodactylus glyptocercus*, - Hansen, Siboga Exped. Monogr., 35: 36.
 1930 *Gonodactylus glyptocercus*, - Gravier, Bull. Mus. natn. Hist. nat., 2e sér., 2 (2): 216.
 1937 *Gonodactylus excavatus*, - Gravier, Ann. Inst. océanogr. Monaco, 17 (3): 209,

fig. 23.

- 1941 *Gonodactylus excavatus*, - Holthuis, Temminckia, VI: 290 [references].
 1952 *Gonodactylus glyptocercus*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 12.
 1952 *Gonodactylus glyptocercus*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 362.
 1954 *Gonodactylus glyptocercus*, - Serène, Ann. Inst. Océanogr. Monaco, 29: 51-53, fig. 11D-E.
 1973 *Haptosquilla glyptocerca*, - Moosa, Mar. Res. Indonesia, 13: 9-10 [synonymy].
 1975 *Haptosquilla glyptocerca*, - Moosa, Mar. Res. Indonesia, 15: 6-7.
 1976 *Haptosquilla glyptocercus*, - Reaka, Biol. Bull., 150: 474 [reproduction and molting, correlation with lunar and tidal periodicity].
 1977 *Haptosquilla glyptocercus*, - Caldwell & Dingle, Evolution, Lawrence, Kans., 31 (1): 220-223, fig. 1, tab. 1 [variation in agonistic behaviour between populations].
 1977 *Haptosquilla glyptocercus*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 13, fig. 7a-b.
 1981 *Haptosquilla glyptocercus*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 9.
 1987 *Haptosquilla glyptocercus*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list], 184-187 [colour], 187-188 [behaviour], 188-190, tab. 3 [habitat].
 1988 *Gonodactylus glyptocercus*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.
 1991 *Haptosquilla glyptocercus*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 165.

Distribution: E-Africa; India (Andaman Islands, Nicobar Islands); Thailand (Ko Phuket); Indonesia, several records in Moosa (1973: 10; 1975: 6-7); Philippines; Australia; Japan; New Caledonia (Ile des Pins); Loyalty Islands (Sandal Bay, Lifu Island); Micronesia; Enewetak Atoll.

Depth range: intertidal to shallow subtidal.

Habitat: "Habitat is typically rubble derived from either rock or coral; often lives in tubes penetrating hard substrate" (Dingle, Caldwell & Manning, 1977: 13); "under coral boulder"; "corals" "sand flat" (Moosa, 1975: 6-7); further details in Reaka & Manning (1987: 189, tab. 3).

Colour note: Dingle, Caldwell & Manning (1977: 13).

Size: ♀, 24-36mm; ♂, 14-46mm.

***Haptosquilla hamifera* (Odhner, 1923)**

- 1923 *Gonodactylus hamifer* Odhner, Medd. Göteb. Mus. Zool., 30: 13-15, figs. 6-8.
 1969 *Haptosquilla hamifera*, - Manning, Proc. biol. Soc. Wash., 82: 161 [in key].

Distribution: Fiji Islands.

Depth range: ?littoral.

Habitat: coral reef.

Size: ♀, 19.5mm.

Haptosquilla lenzi (Holthuis, 1941)

- 1905 *Protosquilla glabra* Lenz, Abh. senckenberg. naturforsch. Ges., 27: 388, pl. 47, fig. 13.
- 1913 *Gonodactylus glaber*, - Kemp, Mem. Indian Mus., 4 (1): 182-183, pl. X, fig. 121.
- 1930 *Gonodactylus glaber*, - Roxas & Estampador, Nat. appl. Sci. Bull., Manila, 1: 124-125, pl. III, fig. 5.
- 1941 *Gonodactylus lenzi* Holthuis, Zoöl. Meded., Leiden, 23: 288.
- 1941 *Gonodactylus lenzi*, - Holthuis, Temminckia, VI: 288-289.
- 1947 *Gonodactylus glaber*, - Serène, Bull. Mus. natn. Hist. nat., Paris, (2) 19 (5): 385-387, fig. 1, pl. 2.
- 1952 *Gonodactylus lenzi*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 362.
- 1954 *Gonodactylus lenzi*, - Serène, Ann. Inst. Océanogr. Monaco, 29: 34-41, figs. 5-7 [larval stages I-III, identified by hatching from eggs], 49-51, fig. 11C.
- 1954 *Gonodactylus lenzi*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 6-7, 10, 34, 52, 73, figs. 5-7, 11A-C, 13-12.
- 1962 *Gonodactylus lenzi*, - Manning, Postilla, Yale Peabody Mus., 68: 11-12.
- 1963 *Gonodactylus lenzi*, - Ingle, Bull. Sera Fish. Res. Stat. Haifa, 33: 31, fig. 31.
- 1967 *Protosquilla lenzi*, - Holthuis, Isr. J. Zool., 16: 36-37.
- 1967 *Protosquilla lenzi*, - Tirmizi, Univ. Stud., Univ. Karachi, 3 (3): 32, fig. 1.
- 1968 *Protosquilla lenzi*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 54.
- 1968 *Protosquilla lenzi*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 19-20, fig. 6 [synonymy].
- 1969 *Chorisquilla lenzi*, - Manning, Proc. biol. Soc. Wash., 82: 157, fig. 6.
- 1975 *Haptosquilla lenzi*, - Moosa, Mar. Res. Indonesia, 15: 7.
- 1977 *Haptosquilla lenzi*, - Manning, Rev. Suisse Zool., 84 (2): 283-284.
- 1981 *Haptosquilla lenzi*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239 [in key], 254, fig. 16.

Distribution: Red Sea (several records in Holthuis, 1967: 36); Zanzibar; Madagascar (Nosy Bé; Point Fièvre; Ambatomboka); W-Pakistan (Karachi area; Astola Island); Sri Lanka; Andaman Islands; Indonesia (Jakarta Bay; Ayer Isl.; Kongsu Isl.); Viet Nam; Philippines.

Depth range: intertidal-2.4m.

Habitat: corals and sand flats; "rocks, sand, scanty, scattered coral" (Tirmizi & Manning, 1968: 19); "sandstone"; "from base of volcanic rocks" (Manning, 1968: 54).

Colour note: Manning (1968: 54), Tirmizi & Manning (1968: 20) and Holthuis (1967: 36-37).

Size: ♀, 13-33mm; ♂, 12-32.3mm; juvs. 9-13mm.

Haptosquilla nefanda (Kemp, 1911)

- 1911 *Gonodactylus (Protosquilla) nefanda* Kemp, Rec. Indian Mus., 6: 11.
- 1913 *Gonodactylus nefandus*, - Kemp, Mem. Indian Mus., 4 (1): 179-180, pl. X, figs. 119-120.
- 1921 *Gonodactylus nefandus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 311.
- 1926 *Gonodactylus nefandus*, - Hansen, Siboga Exped. Monogr., 35: 33.
- 1973 *Haptosquilla nefanda*, - Moosa, Mar. Res. Indonesia, 13: 10-11 [references].

1988 *Gonodactylus nefandus*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.

Distribution: India (Andaman Islands; Nicobar Islands); Burma (Arakan coast, Cheduba Island); Strait of Malacca; Indonesia (several records in Hansen, 1926: 33 and Moosa, 1973: 10); Philippines.

Depth range: 13-37m.

Habitat: "coarse sand lithothamnion and rubble"; "sand and rubble"; "muddy sand and sponge"; "sand and shell rubble" (Moosa, 1973: 10).

Size: ♀, 19-27mm; ♂, 16-40mm.

Haptosquilla philippinensis Garcia & Manning, 1982

1982 *Haptosquilla philippinensis* Garcia & Manning, Proc. biol. Soc. Wash., 95 (3): 537-538, fig. 1.

Distribution: Philippines (Talaan, Sariaya, Quezon, Tayabas Bay).

Colour note: Garcia & Manning (1982: 538).

Size: ♂, 20mm.

Haptosquilla proxima (Kemp, 1915)

1915 *Gonodactylus proximus* Kemp, Philippine J. Sci., D, 10 (3): 183-186, pl. I, figs. 9-10.

1988 *Gonodactylus proximus*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654-655.

Distribution: Philippines (Puerto Galera).

Size: ♀♂, 12-15mm.

Haptosquilla pulchella (Miers, 1880)

1880 *Gonodactylus trispinosus* var. *pulchellus* Miers, Ann. Mag. Nat. Hist., (5) 5: 122.

1913 *Gonodactylus pulchellus*, - Kemp, Mem. Indian Mus., 4: 177-179, pl. X, figs. 117-118.

1921 *Gonodactylus pulchellus*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 311.

1926 *Gonodactylus pulchellus*, - Hansen, Siboga Exped. Monogr., 35: 33.

1941 *Gonodactylus pulchellus*, - Holthuis, Temminckia, VI: 288, fig. 9b [references].

1954 *Gonodactylus pulchellus*, - Serène, Mém. Inst. Océanogr. Nhatrang, 8: 52 [list].

1955 *Gonodactylus pulchellus*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 252.

1962 *Gonodactylus pulchellus*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 35.

1963 *Gonodactylus pulchellus*, - Ingle, Bull. Sea Fish. Res. Stat. Haifa, 33: 30, figs. 29, 49.

1968 *Protosquilla pulchella*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 54-55.

1968 *Protosquilla pulchella*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125

(3666): 17-19, fig. 5 [synonymy].

1973 *Protosquilla pulchella*, - Moosa, Mar. Res. Indonesia, 13: 11 [references].

1977 *Haptosquilla pulchella*, - Manning, Rev. Suisse Zool., 84 (2): 284.

1981 *Haptosquilla pulchella*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239
[in key], 253, fig. 15.

1990 *Haptosquilla pulchella*, - Manning, Steenstrupia, 16 (6): 100.

Distribution: Red Sea (Aden; Shubuk; Umm-es-Sahrig); E-Africa; Madagascar (Nosy Bé); Persian Gulf; W-Pakistan (Astola Island; off Karachi); India; Indonesia (several records, Moosa, 1973: 11); Australia (off Gantheama Point, Brome, W-Australia; off Angel Island, Dampier Archipelago; Queensland: Princess Charlotte Bay; Hayman Island).

Depth range: 0-29m.

Habitat: "rocks, sand, scanty, scattered coral" (Tirmizi & Manning, 1968: 17); "in sandstone" (Manning, 1968: 54); "sand and shell rubble" (Moosa, 1973: 11).

Colour note: Tirmizi & Manning (1968: 18).

Size: ♀, 18.5-45mm; ♂, 9-45mm.

***Haptosquilla pulchra* (Hansen, 1926)**

1926 *Gonodactylus pulcher* Hansen, Siboga Exped. Monogr., 35: 34-35, pl. 2, fig. 3a-b.

1969 *Haptosquilla pulchra*, - Manning, Proc. biol. Soc. Wash., 82: 161 [in key].

Distribution: Viet Nam; Borneo Bank.

Depth range: 34m.

Habitat: coral sand coral sand.

Size: 22mm.

***Haptosquilla setifera* Manning 1969**

1969 *Haptosquilla setifera* Manning, Proc. biol. Soc. Wash., 82: 162-164, fig. 8.

Distribution: Solomon Islands (Bougainville).

Size: ♀, 14mm; ♂, 14.4mm.

***Haptosquilla stoliurus* (Müller, 1887)**

1887 *Gonodactylus stoliura* Müller, Verh. naturf. Ges. Basel, 8: 477-478, pl. 4, fig. 2.

1894 *Protosquilla stoliura*, - Zehntner, Rev. Suisse Zool., 2: 213.

1913 *Gonodactylus stoliurus*, - Kemp, Mem. Indian Mus., 4 (1): 184-185
[references].

1941 *Gonodactylus stoliurus*, - Holthuis, Temminckia, VI: 289.

1962 *Gonodactylus stoliurus*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.

1973 *Gonodactylus stoliura*, - Moosa, Mar. Res. Indonesia, 13: 11.

1977 *Haptosquilla stoliurus*, - Manning, Rev. Suisse Zool., 84 (2): 284.

1981 *Haptosquilla stoliurus*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 9-10.

Distribution: Malay Archipelago; Indonesia several records in Moosa, 1973: 11); Philippines; Australia (Maud Landing, NW-Australia; Fence, S of NW-Cape, W-Australia; Lancelin Island, W-Australia).

Depth range: 0-18m.

Habitat: "weed and sand on rock"; "reef at low tide" (Stephenson, 1962: 35); "coral boulder" (Moosa, 1973: 11).

Size: ♂, 40-52mm; ♀ up to 60mm.

Haptosquilla tanensis (Fukuda, 1911)

1911 *Protosquilla tanensis* Fukuda, Annot. Zool. Japon., VII: 285, pl. XI, figs. 1-2.

1913 *Gonodactylus tanensis*, - Kemp, Mem. Indian Mus., 4 (1): 183-184.

1969 *Haptosquilla tanensis*, - Manning, Proc. biol. Soc. Wash., 82: 161 [in key].

Distribution: Japan (Osumi Province).

Size: ♀, 30.5mm.

Haptosquilla trispinosa (Dana, 1852)

1852 *Gonodactylus trispinosus* Dana, U.S. explor. Exped., 13: 623.

1880 *Gonodactylus trispinosus*, - Miers, Ann. Mag. Nat. Hist., (5) 25: 44, pl. 3, fig. 10.

1898 *Protosquilla trispinosa*, - Borradaile, Proc. zool. Soc. Lond., 1898: 34, pl. 5, figs. 1, 1a.

1913 *Gonodactylus trispinosus*, - Kemp, Mem. Indian Mus., 4 (1): 180-181 [references].

1926 *Gonodactylus trispinosus*, - Hansen, Siboga Exped. Monogr., 35: 35.

1930 *Gonodactylus pulchellus*, - Gravier, Bull. Mus. natn. Hist. nat., 2e sér., 2 (2): 216.

1930 *Gonodactylus trispinosus*, - Gravier, Bull. Mus. natn. Hist. nat., 2e sér., 2 (2): 216.

1938 *Gonodactylus pulchellus*, - Dollfus, Mem. Inst. Egypte, 37: 224 [only New Caledonian specimens, fig. 22; nec *Gonodactylus pulchellus* Miers, 1880].

1962 *Gonodactylus pulchellus*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 35.

1991 *Haptosquilla trispinosa*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 166, fig. 2.

1992 *Haptosquilla trispinosa*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 155, 158, 159, 160-161, figs. 2, 4 [maps], tabs. 1-4.

Distribution: SE-Asia; Fiji Islands; Loyalty Islands; Australia (W-Australia: Swan River; Dampier Archipelago; Baleine Bank; Cape Jaubert. Queensland); New Zealand; New Caledonia; Loyalty Islands; Fiji Islands; Chesterfield Islands.

Depth range: 6-60m.

Habitat: "white muddy sand, sand with corals; shell and foraminiferal sand with algae; coral boulders with *Sargassum*, and coral fragments on sandy bottom" (Moosa, 1991: 167); in New Caledonia found in reef locations with strong currents.

Size: ♀, 18-42mm; ♂, 19-39mm.

***Haptosquilla tuberosa* (Pocock, 1893)**

- 1893 *Gonodactylus tuberosus* Pocock, Ann. Mag. Nat. Hist., ser. 6, 11: 476-477, pl. XX, fig. 2.
 1913 *Gonodactylus tuberosus*, - Kemp, Mem. Indian Mus., 4 (1): 181-182.
 1969 *Haptosquilla tuberosa*, - Manning, Proc. biol. Soc. Wash., 82: 162 [in key].
 1973 *Haptosquilla tuberosa*, - Moosa, Mar. Res. Indonesia, 13: 12 [references].

Distribution: South China Sea: Macclesfield Bank; several records from Indonesia (Moosa, 1973: 12); Viet Nam.

Depth range: 41-67m.

Habitat: "coarse foraminiferal shell sand"; "coarse sand, lithothamnion and rubble"; "grey sand, fine shelly grit" (Moosa (1973: 12).

Size: ♀, 35mm; ♂, 16-25mm.

***Protosquilla* Brooks, 1886**

- 1886 *Protosquilla* Brooks, Rep. sci. Res. expl. Voyage Challenger, Zool. 16: 65-67 [diagnosis, remarks].
 1966 *Protosquilla*, - Manning, Rec. Austr. Mus., 27: 106-108 [remarks].
 1967 *Protosquilla*, - Holthuis, Isr. J. Zool., 16: 36 [remarks].
 1968 *Protosquilla*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 53-54 [remarks].
 1969 *Protosquilla*, - Manning, Proc. biol. Soc. Wash., 82: 153-155 [diagnosis, remarks].
 1974 *Protosquilla*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 8 [diagnosis, remarks].
 1977 *Protosquilla*, - Manning, Atlantide Rep., 12: 50 [remarks, key to E-Atlantic species].

***Protosquilla calypso* Manning, 1974**

- 1970 *Protosquilla folini*, - Manning, Stud. trop. Oceanogr., 4 (2): 263-264.
 1974 *Protosquilla calypso* Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 8-11, fig. 1.
 1977 *Protosquilla calypso*, - Manning, Atlantide Rep., 12: 50-54, figs. 10, 11, 53 [complete synonymy].
 1991 *Protosquilla calypso*, - Manning, Smiths. Contr. Zool., 521: 5.

Distribution: W-Africa, from the offshore islands in the Gulf of Guinea; Principé; Sao Tomé (Islas das Rôlas); Fernando Póo; Praia das Conchas, plage de Fernao Dias, plage Bella Vista; Annobon; S. Antonio, Santa Cruz.

Depth range: 5-69m.

Habitat: "rocks"; "calcareous algae, sand, coral"; "rocks, coral"; "mud, calcareous algae" (Manning, 1974: 8).

Colour note: Manning (1977: 52).

Size: ♀, 8-30mm; ♂, 8-36mm; juvs., 10-13mm; postlarvae, 10-11mm.

Additional synonymy: see Manning (1977: 50-51). - *Gonodactylus Folinii* [part]; *Gonodactylus Folini* [part].

Protosquilla folini (A. Milne-Edwards, 1867)

- 1867 *Gonodactylus Folini* A. Milne Edwards, in: Folin & Périer: Les fonds de la mer, 1: 43, pl. 21, figs. 11-14.
- 1886 *Protosquilla elongata* Brooks, Rep. sci. Res. explor. Voy. Challenger, (Zool.), 16: 67-70, pl. 15, figs. 2, 12, pl. 16, fig. 4a-b.
- 1913 *Gonodactylus folini*, - Kemp, Mem. Indian Mus., 4 (1): 189 [text].
- 1969 *Protosquilla folini*, - Manning, Proc. biol. Soc. Wash., 82: 155 [in discussion, not figured specimen].
- 1974 *Protosquilla folini*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 11-13, fig. 2 [synonymy].
- 1977 *Protosquilla folini*, - Manning, Atlantide Rep., 12: 54-58, figs. 12-13, 53 [complete synonymy].

Distribution: E-Atlantic. - off W-Africa, from the Cape Verde Islands and several locations from the mainland between Senegal and Congo: Cape Verde Islands (St. Vincent); Ile Fogo and La Praia, Carolines; Senegal (Baie de Rufisque; Ghana (Accra); Congo (Setté Cama).

Depth range: 0-25m.

Habitat: "Foraminifera and coral"; "coral"; "in rock"; "rocky platform" (Manning, 1977: 55); also in rocks and vermetid blocs.

Colour note: Manning (1977: 56) and Brooks (1886: 68b *P. elongata*).

Size: ♀, 8-26mm; ♂, 8-28mm; juvs., 7-8mm.

Additional synonymy: *Protosquilla folinii*; *Protosquilla (Gonodactylus) elongata*.

Siamosquilla Naiyanetr, 1989

- 1989 *Siamosquilla* Naiyanetr, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 281 [diagnosis], 283 [comparison with *Chorisquilla*].

Siamosquilla hyllebergi Naiyanetr, 1989

- 1989 *Siamosquilla hyllebergi* Naiyanetr, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 281-283, fig. 1.

Distribution: Thailand (Ko Surin; Ko Similan).

Depth range: 5m.

Habitat: "associated with corals" (Naiyanetr, 1989: 281).

Size: ♀, 10.5-17.5mm; ♂, 12-18.5mm.

Pseudosquillidae

- 1977 Pseudosquillidae Manning, Atlantide Rep., 12: 95 [diagnosis, remarks], 95-96 [key to genera], 96 [key to adults and postlarvae from the Mediterranean and E-Atlantic].
- 1980 Pseudosquillidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 366 [diagnosis, included genera].
- 1980 Pseudosquillidae, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 14-15

[discussion of family].

Remarks: The family contains many widespread species, suggesting that the larvae spend a long time in the plankton.

***Faughnia* Serène, 1962**

- 1962 *Pseudosquillopsis* (*Faughnia*) Serène, Bull. Inst. océanogr. Monaco, 1241: 17.
 1978 *Faughnia*, - Manning & Makarov, Bull. Mus. natn. Hist. nat., Paris, 3e sér., 520: 518 [diagnosis, remarks].

***Faughnia haani* (Holthuis, 1959)**

- 1959 *Pseudosquilla haani* Holthuis, Stud. Fauna Suriname, 3 (10): 179 [replacement name for *Squilla empusa* De Haan, 1844, which is a junior homonym of *Squilla empusa* Say, 1818].
 1978 *Faughnia haani*, - Manning & Makarov, Bull. Mus. natn. Hist. nat., Paris, 3e sér., 520: 521-522 [text].
 1989 *Faughnia haani*, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 227.

Distribution: Japan (Nagasaki; Tosa Bay).

Size: ♀, 130.5-140mm; ♂, 110.7-114.5mm.

Remarks: Record of Lee & Wu (1966: 44, fig. 2D, here not included) from Taiwan probably erroneous (Manning & Makarov, 1978: 522).

***Faughnia profunda* Manning & Makarov, 1978**

- 1978 *Faughnia profunda* Manning & Makarov, Bull. Mus. natn. Hist. nat., Paris, 3e sér., 520: 518-522, fig. 1.

Distribution: off Madagascar; off Kenya; off Mozambique.

Depth range: 225-385m.

Colour note: Manning & Makarov (1978: 521).

Size: ♀, 83-134mm; ♂, 82-157mm.

***Faughnia serenei* Moosa, 1982**

- 1962 *Pseudosquillopsis* (*Faughnia*) *dehaani*, - Serène, Bull. Inst. Océanogr., Monaco, 1241: 19, figs. 1C, 2D, 3B.
 1966 ?*Parasquilla haani*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 44, fig. 2A-D.
 1973 *Pseudosquillopsis dehaani*, - Serène & Lohavanijaya, Naga Rep., 4: 9.
 1982 *Faughnia serenei* Moosa, J. Crust. Biol., 2 (4): 600-603, figs. 1-5.
 1985 *Faughnia serenei*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 385.

Distribution: South China Sea; ?Taiwan; the Philippines.

Depth range: 73-316m.

Habitat: "shell detritus, sand and dark green mud" (Moosa, 1985: 385).

Colour note: Moosa (1982: 602).
Size: %, 93-122mm; &, 86.5-122mm.

***Parasquilla* Manning, 1961**

- 1961 *Parasquilla* Manning, Allan Hancock Atl. Exped., Rep. 9: 7 [diagnosis, remarks].
1963 *Parasquilla*, - Manning, Bull. mar. Sci., 13 (2): 312-313 [diagnosis, remarks, checklist of species].
1969 *Parasquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 278-279 [synonymy, diagnosis, remarks, key to W-Atlantic species].
1977 *Parasquilla*, - Manning, Atlantide Rep., 12: 97 [references, remarks].

***Parasquilla boschii* Manning, 1970**

- 1970 *Parasquilla (Parasquilla) boschii* Manning, Proc. biol. Soc. Wash., 83 (8): 111-114, fig. 8.
1993 *Parasquilla boschii*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: W-Atlantic. - off Nicaragua; Brazil (E of Porto Alegre, Rio Grande do Sul; off Rio de Janeiro); Argentina.

Depth range: 21-194m.
Colour note: Manning (1970: 111).
Size: &, 108-128mm.

***Parasquilla coccinea* Manning, 1962**

- 1962 *Parasquilla coccinea* Manning, Crustaceana, 4 (3): 181-184, fig. 1.
1969 *Parasquilla coccinea*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 279-283, fig. 77.
1971 *Parasquilla (Parasquilla) coccinea*, - Camp, Proc. biol. Soc. Wash., 84 (15): 125 [list].
1973 *Parasquilla coccinea*, - Camp, Mem. Hourglass Cruises, 3 (2): 46-53, figs. 18 [adult %], 19 [postlarval], 20 [juv. &].
1976 *Parasquilla coccinea*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 40 [unpublished manuscript].
1976 *Parasquilla (Parasquilla) coccinea*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 176-177, figs. 16, tabs. 1-2, 4.

Distribution: W-Atlantic. - from the central east coast of Florida to the Gulf of Campeche; Mississippi Delta; Florida (Cape Canaveral; Indian River Region); Bahamas.

Depth range: 6.1-382m.
Colour note: Manning (1969: 280).
Size: %, 52-116.9mm; &, 39.0-110m.

Remarks: Camp (1973: 47) gave some records from the stomach of fishes in the Gulf of Mexico: *Centropistes ocyurus*; *Scorpaena agassizi*; according to Manning (1962: 181; 1969: 280) found in stomach of red snapper.

***Parasquilla ferussaci* (Roux, 1828)**

- 1910 *Pseudosquilla ferussaci*, - Giesbrecht, Fauna Flora Golf Neapel, 33: 15, 34-39, 125-142 [juv.]; 57, 120, 162 [larvae], pl. 1, fig. 8 [colour], pl. 4, figs. 37-48, 49-56 [postlarval], pl. 11, figs. 65-85 [larvae].
- 1962 *Pseudosquilla ferussaci*, - Figueiredo, Notas Estud. Inst. Biol. mar., Lisabon, 25: 1-9, pls. 1-5.
- 1962 *Parasquilla ferussaci*, - Manning, Crustaceana, 4 (3): 184-188, fig. 2 [synonymy].
- 1964 *Pseudosquilla ciliata*, - Pérès, Ann. Inst. Océanogr. Monaco, 41: 6 [in discussion], 23, 26, 28 [non *P. ciliata* (Fabricius, 1787)].
- 1974 *Parasquilla ferussaci*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 7.
- 1977 *Parasquilla (Parasquilla) ferussaci*, - Manning, Atlantide Rep., 12: 97-99, figs. 29, 50 [synonymy].
- 1978 *Parasquilla ferussaci*, - Manning, Proc. biol. Soc. Wash., 91 (2): 450-451.
- 1982 *Parasquilla ferussaci*, - Sardá, Vallandares & Abello, Res. Exp., Cient., 10: 97-99, figs. 4-5.
- 1985 *Parasquilla ferussaci*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 162-164, fig. 5.
- 1989 *Parasquilla ferussaci*, - Frogliá & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 268 [key], 271, fig. 3a-d.
- 1991 *Parasquilla ferussaci*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].
- 1993 *Parasquilla ferussaci*, - Pipitone & Tumbiolo, Crustaceana, 65 (3): 360 [tab.], 362.
- 1994 *Parasquilla ferussaci*, - Dounas & Steudel, Crustaceana, 66 (2): 253.

Distribution: NE-Atlantic and Mediterranean Sea. - off Portugal (Sesimbra; Madeira); Senegal; Gulf of Guinea (off Liberia; Bissagos Bank, Portuguese Guinea; off Vridi, Ivory Coast). W-Mediterranean: Italy (Porto Santo Stéfano, near Orbetello); off Sicily; Naples; Porto Santo Stefano; France (Nice); Greece (Island of Crete).

Depth range: 50-700m.

Habitat: collected on muddy bottoms with the actinian *Actinauge richardi* (Marion); "very fine mud" (Manning, 1977: 97); "slightly muddy sand of terrigenous and organic origin"; "compact bathyal mud"; "coastal terrigenous mud" (Manning, 1978: 450-451).

Colour note: Manning, 1962: 187), Sardá, Vallandares & Abello (1982: 99) and Giesbrecht (1910; coloured figure).

Size: ♀, 104mm; ♂, 70-112mm.

Remarks: found in stomach of *Serranus atricauda* and "Abritea", a Gadid fish (Biscoito, 1985: 162-163).

Additional synonymy: *Squilla triodona*.

***Parasquilla meridionalis* Manning, 1961**

- 1961 *Parasquilla meridionalis* Manning, Allan Hancock Atl. Exped., Rep. 9: 8-12, pl. 2, figs. 1-4.
- 1969 *Parasquilla (Parasquilla) meridionalis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 283-284, fig. 78.
- 1972 *Parasquilla meridionalis*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed.

Pe., 13: 251, tab. [distribution in Brazil].

1990 *Parasquilla meridionalis*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 114-115, fig. 15.

Distribution: W-Atlantic. - Colombia (Dept. Guajira); British Guiana; Surinam; Brazil (Amapá).

Depth range: 40-92m.

Habitat: sandy bottoms.

Colour note: Manning (1969: 283).

Size: ♀, 54.7-99.4mm; ♂, 92.2-94mm.

***Parasquilla similis* Manning, 1970**

1970 *Parasquilla (Parasquilla) similis* Manning, Proc. biol. Soc. Wash., 83 (8): 114, fig. 9.

1980 *Parasquilla similis*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 14.

1989 *Parasquilla similis*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 244, tab. I.

Distribution: E-Pacific. - Gulf of California; Costa Rica (Isla del Caño); Gulf of Panamá; Peru (Caleta la Cruz, near Tumbes); mainland and nearshore islands.

Depth range: 73-125m.

Habitat: deep shelf and upper slope of W-American continent.

Size: ♀, 117-160mm; ♂, 125-135mm.

***Pseudosquilla* Dana, 1852**

1961 *Pseudosquilla*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 38 [remarks, key to species from the Atlantic Coast of northern South America].

1962 *Pseudosquilla*, - Manning, Bull. Inst. océanogr. Monaco, 1241: 4-12 [references, history, diagnosis, remarks].

1963 *Pseudosquilla*, - Manning, Bull. mar. Sci., 13 (2): 309-311 [remarks], 311 [synonymy, diagnosis, checklist of species].

1969 *Pseudosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 262-263 [diagnosis, remarks, key to W-Atlantic species].

1972 *Pseudosquilla*, - Manning, Am. Mus. Novits., 2484: 9-10 [general remarks].

1977 *Pseudosquilla*, - Manning, Atlantide Rep., 12: 100 [remarks, references].

Synonymy: *Alimerichthus*; *Pseuderichthus*.

***Pseudosquilla adialta* Manning, 1964**

1900 *Pseudosquilla oculata*, - Rathbun, Proc. Wash. Acad. Sci., 2: 155 [part].

1940 *Pseudosquilla oculata*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 173-174, fig. 15.

1954 *Pseudosquilla oculata*, - Dahl, Lunds Univ. Arsskr., (n. ser.) (2) (4) (17): 11 [discussion of range] [non *S. oculata* Brullé, 1844].

1964 *Pseudosquilla adialta* Manning, Crustaceana, 6 (4): 304-307, fig. 1.

1972 *Pseudosquilla adialta*, - Manning, Zoologica, N.Y., 56: 106.

1976 *Pseudosquilla adialta*, - Manning, Proc. biol. Soc. Wash., 89 (16): 223,

tab. 1.

- 1988 *Pseudosquilla adialta*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 108-109, fig. 12.
 1989 *Pseudosquilla adialta*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 244, tab. I.
 1990 *Pseudosquilla adialta*, - Camp & Kuck, Proc. biol. Soc. Wash., 103 (4): 850, fig. 3.

Distribution: E-Pacific. - Gulf of California; Clipperton Island; Galapagos Archipelago; Mexico (Tres Marias Islands; Sihuatenejo Bay; Port Guatulco); Clarion Island; Isla del Coco, off Costa Rica: Bahía Wafer; Bahía Weston; Bahía de Chatham; Port Parker; Jasper Island; Panamá; Colombia (Isla Gorgona).

Depth range: 0-15m.

Habitat: *Pocillopora coral*; *Porites* reef; "coral, sand, rubble, detritus"; "branching coral, some coral heads"; "silt, coral, stacks, debris"; boulders, talus, talus debris" (Manning, 1976: 223, tab. 1).

Colour note: Manning (1964: 306).

Size: ♀, 25-70mm; ♂, 35-73mm.

Remarks: found in stomach of the yellowfin tuna *Thunnus albacares* (Bonnaterre, 1788).

***Pseudosquilla ciliata* (Fabricius, 1787)**

- 1787 *Squilla ciliata* Fabricius, Mantissa insectorum sistens eorum species nuper detectas adjectis..., 1: 333.
 1869 *Squilla stylifera*, - Clark, Proc. Zool. Soc. Lond.: 3-4 [live observations in Mauritius].
 1913 *Pseudosquilla ciliata*, - Kemp, Mem. Indian Mus., 4 (1): 96-100 [references].
 1921 *Pseudosquilla ciliata*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 288-290.
 1923 *Pseudosquilla ciliata* var. *occidentalis*, - Verrill, Trans. Conn. Acad. Arts Sci., 26: 192, pl. 50, figs. 1-2, pl. 51, figs. 1-b, pl. 54, fig. 2.
 1931 *Pseudosquilla ciliata*, - Bigelow, Bull. Mus. Comp. Zoöl., LXXII (4): 152-160, figs. 3-6.
 1937 *Pseudosquilla ciliata*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 6.
 1938 *Pseudosquilla ciliata*, - Dollfus, Mém. Inst. Égypt., 37: 198-200, fig. 8.
 1939 *Pseudosquilla ciliata*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 160-161.
 1941 *Pseudosquilla ciliata*, - Holthuis, Temminckia, VI: 261-263 [references].
 1941 *Pseudosquilla ciliata*, - Holthuis, Zool. Meded., 23: 35-36 [synonymy].
 1953 *Pseudosquilla ciliata*, - Townsley, Pac. Sci., VII: 412-415, figs. 10, 11a-m.
 1955 *Pseudosquilla ciliata*, - Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 26-29, figs. 20-21, pl. 7, fig. 39, pl. 16, fig. 51.
 1961 *Pseudosquilla ciliata*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 39, pl. 11, figs. 1-2.
 1962 *Pseudosquilla ciliata*, - Manning, Postilla, Yale Peabody Mus., 68: 2.
 1962 *Pseudosquilla ciliata*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.
 1963 *Pseudosquilla ciliata*, - Ingle, Bull. Sea Fish. Res. Stat. Haifa, 33: 21, figs. 18, 39, 52, 68.
 1966 *Pseudosquilla ciliata*, - Manning, Ann. Inst. océanogr. Monaco, 44: 380-381, fig. 8a-b.
 1967 *Pseudosquilla ciliata*, - Holthuis, Isr. J. Zool., 16: 15-16.

- 1967 *Pseudosquilla ciliata*, - Manning, Crustaceana, 12 (1): 104.
- 1968 *Pseudosquilla ciliata*, - McNeill, Sci. Rep. Great Barrier Reef Exped. 1928-29, 7 (1): 88-89.
- 1968 *Pseudosquilla ciliata*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 42.
- 1969 *Pseudosquilla ciliata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 264-271, fig. 74 [synonymy].
- 1970 *Pseudosquilla ciliata*, - Manning, Stud. trop. Oceanogr., 4 (2): 264.
- 1972 *Pseudosquilla ciliata*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].
- 1974 *Pseudosquilla ciliata*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 13, fig. 3.
- 1974 *Pseudosquilla ciliata*, - Zeiller, in: Tropical marine invertebrates of southern Florida and the Bahama Islands, New York: 69 and 2 colour plates.
- 1975 *Pseudosquilla ciliata*, - Moosa, Mar. Res. Indonesia, 15: 8.
- 1976 *Pseudosquilla ciliata*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 41 [unpublished manuscript].
- 1976 *Pseudosquilla ciliata*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 66.
- 1976 *Pseudosquilla ciliata*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 177, figs. 15, 16, tabs. 1-2.
- 1976 *Pseudosquilla ciliata*, - Reaka, Biol. Bull., 150: 474-476 [reproduction and molting, correlation with lunar and tidal periodicity].
- 1977 *Pseudosquilla ciliata*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 12, fig. 6a-b.
- 1977 *Pseudosquilla ciliata*, - Manning, Rev. Suisse Zool., 84 (2): 284-285.
- 1977 *Pseudosquilla ciliata*, - Manning, Atlantide Rep., 12: 100-103, figs. 30, 31, 55.
- 1981 *Pseudosquilla ciliata*, - Manning & Reaka, J. Crust. Biol., 190, 197-199 [text].
- 1983 *Pseudosquilla ciliata*, - Coen & Heck, Proc. biol. Soc. Wash., 96 (2): 204.
- 1983 *Pseudosquilla ciliata*, - Hatziolos & Caldwell, Anim. Behav., 31: 1077-1087, figs. 1-3, tabs. I-IV [sex role reversal in courtship].
- 1984 *Pseudosquilla ciliata*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. records from La Réunion and Mauritius].
- 1984 *Pseudosquilla ciliata*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 426.
- 1985 *Pseudosquilla ciliata*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 385.
- 1986 *Pseudosquilla ciliata*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 308-309, pl. 98, fig.
- 1986 *Pseudosquilla ciliata*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 12.
- 1987 *Pseudosquilla ciliata*, - Ingle, Senckenbergiana biol., 67 (4/6) (1986): 402-407, figs. 1-2 [pseuderichthus larval-stages; references to pseuderichthus and monodactyla stages].
- 1987 *Pseudosquilla ciliata*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1, 183 [list].
- 1989 *Pseudosquilla ciliata*, - Holmquist, Powell & Sogard, Bull. mar. Sci., 44 (1): 255, tab. 2 [ecology, seagrass-covered mud banks].
- 1989 *Pseudosquilla ciliata*, - Reaka, Manning & Felder, Collana UZI (Unione Zool. Ital.), Sel. Symp. Monogr., 3: 183, 185, fig. 1, 186 [habitat].
- 1990 *Pseudosquilla ciliata*, - Manning, Steenstrupia, 16 (6): 100.
- 1990 *Pseudosquilla ciliata*, - Markham, Donath-Hernandez, Villalobos-Hiriart & Diaz-Barriga, An. Inst. Biol. Univ. Autón. México, Ser. Zool., 61 (3): 410.

- 1990 *Pseudosquilla ciliata*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 113-114, fig. 13.
- 1991 *Pseudosquilla ciliata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 169-170.
- 1992 *Pseudosquilla ciliata*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].
- 1992 *Pseudosquilla ciliata*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 155, 159, 160, figs. 2, 5 [maps], tabs. 1-4.
- 1993 *Pseudosquilla ciliata*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 571.

Distribution: Almost pantropical, except for E-Pacific. In the W-Atlantic known from Bermuda; Bahamas; Florida; Belize; British Honduras; Nicaragua; Panamá; Cuba; Jamaica; Dominican Republic; Puerto Rico; Virgin Islands; Guadeloupe; St. Eustatius; Barbuda; Antigua; Colombia (Santa Marta area: Bahía de Nenguange; Bahía de Santa Marta; Isla Aguja; Bahía de Cinto; Bahía de Chengue; Cabo de la Vela; off Bahia Honda); Venezuela; Bonaire; Curaçao; southward to Brazil; Tobago; St. Helena. - W-Africa (Cape Verde Islands: San Pedro Bay, St. Vincent; Senegal (Gorée Island, Dakar; Cap de Naze; Guinea: Iles de Los; Annobon; Sao Thomé and Principé). Indo-Pacific. - Red Sea (Gulf of Aqaba; Ghardaqa); Persian Gulf; Sri Lanka; Seychelles; Comores; Mozambique; Madagascar; (Fort Dauphin; Nosy Bé); La Réunion; Mauritius; Indonesia (Ayer Isl.); Papua New Guinea; Philippines; Australia; New Caledonia; Loyalty Islands (Uvea); Chesterfield Islands; Hawaii.

Depth range: intertidal-110m.

Habitat: Common in coral reef locations. - on "shallow grassflat areas" (Gore & Becker, 1976: 177); "on a beach and shallow reef area; in a shallow lagoon with turtle grass, bottom from coarse sand to fine coralline silt... on sloping fore reef" (Schotte & Manning, 1993: 571); "shelly sand, coralline algae, coral, though most often seagrasses" (Coen & Heck, 1983: 204); coral reef flats; *Thalassia* seagrass; coral rubble; coarse sand; muddy sand; in the Red Sea on "sandy mud with few algae" (Holthuis, 1967: 15-16); adults burrow under coral rubble in seagrass-rubble flats.

Colour note: Dingle, Caldwell & Manning (1977: 12), Schotte & Manning (1993: 571); further notes in Kemp (1913: 99) and Manning (1966: 380; 1969: 267-268). According to Moosa (1991: 170, referring to Dingle et al., 1977), it "is an extremely colour polymorphic species".

Size: ♀, 16.5-80mm; ♂, 16.3-89mm; postlarvae 18-24mm.

Remarks: In the W-Atlantic found in stomach of the following fishes: *Albula vulpes*, bonefish; *Lutjanus analis*, mutton snapper; *Epinephelus striatus*, Nassau grouper; *Dasyatis americanus*, southern stingray; *Sphyrna tiburo*, bonnethead shark (Manning, 1969: 269). In Senegal found in stomachs of the fishes *Aries mercatoris*, *Raja miraletus* and *Trygon marmorata* (Manning, 1977: 100); in Madagascar in stomach of *Caranx* sp.

Additional synonymy: *Squilla quadrispinosa*; *Alimerichthus cylindricus*; *Pseuderichthus communis*.

***Pseudosquilla guttata* Manning, 1972**

1972 *Pseudosquilla guttata* Manning, Am. Mus. Novits., 2484: 6-8, fig. 2.

Distribution: Midway Island.

Habitat: coral reefs.

Colour note: Manning (1972: 8).

Size: ♀, 33mm; ♂, 35mm; ♀ postlarva, 25mm.

***Pseudosquilla hieroglyphica* Manning, 1972**

1915 *Pseudosquilla ornata*, - Kemp, Philippine J. Sci., ser. D, 10: 172 [non *P. ornata* Miers 1880].

1927 *Pseudosquilla ornata*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 3 (3): 324, pl. 14, fig. 2 [part, non *P. ornata* Miers 1880].

1972 *Pseudosquilla hieroglyphica* Manning, Am. Mus. Novits., 2484: 2-6, fig. 1.

1977 *Pseudosquilla hieroglyphica*, - Manning, Rev. Suisse Zool., 84 (2): 285.

1984 *Pseudosquilla hieroglyphica*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].

1991 *Pseudosquilla hieroglyphica*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 170-171.

Distribution: Madagascar; Mauritius; Philippines (Mindanao: Santa Cruz, Gulf of Davao); Japan; Samoa; New Caledonia; Chesterfield Islands; Rongerik Atoll (Latoback Island); Samoa (Apia; Mataatu Harbor, Savaii Island); French Polynesia (Society Archipelago: Tahiti).

Depth range: shallow water-120m.

Habitat: an inhabitant of coral reefs, preferring sandy and coral bottom; lagoon reef.

Colour note: Manning (1972: 3). This is a colour polymorphic species, cf. detailed remarks in Moosa (1991: 170-171).

Size: ♀, 29-63mm; ♂, 28-69mm.

***Pseudosquilla komaii* Moosa, 1991**

1991 *Pseudosquilla komaii* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 171-173, fig. 4.

Distribution: Chesterfield Islands.

Depth range: 8m.

Colour note: Moosa (1991: 171-172).

Size: ♂, 54mm.

***Pseudosquilla megalophthalma* Bigelow, 1893**

1893 *Pseudosquilla megalophthalma* Bigelow, John Hopkins Univ. Circ., 12 (106):

101.

- 1894 *Pseudosquilla megalopthalma*, - Bigelow, Proc. U.S. natn. Mus., 17: 500-502.
 1913 *Pseudosquilla megalopthalma*, - Kemp, Mem. Indian Mus., 4 (1): 103-104.
 1915 *Pseudosquilla megalopthalma*, - Kemp, Philippine J. Sci., D, 10 (3): 172-174, pl. I, fig. 1.
 1921 *Pseudosquilla megalopthalma*, - Tattersall, J. Linn. Soc. London, Zool., 34: 357-358, pl. 27, figs. 1-3.
 1930 *Pseudosquilla megalopthalma*, - Roxas & Estampador, Nat. appl. Sci. Bull., Manila, 1: 109, pl. II, figs. 1-2.
 1941 *Pseudosquilla megalopthalma*, - Holthuis, Temminckia, VI: 267-268.
 1959 *Pseudosquilla megalopthalma*, - Dollfus, Res. sci. Miss. R. Ph. Dollfus en Egypte, 3: 201, fig. 9.
 1967 *Pseudosquilla megalopthalma*, - Holthuis, Isr. J. Zool., 16: 40.
 1977 *Pseudosquilla megalopthalma*, - Manning, Rev. Suisse Zool., 84 (2): 285.
 1984 *Pseudosquilla megalopthalma*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].
 1986 *Pseudosquilla megalopthalma*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 12, fig. 4.
 1991 *Pseudosquilla megalopthalma*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 174.

Distribution: Red Sea (Egypt; Sinai Peninsula; Sudan; Saudi Arabia); Mauritius; Philippines; Indonesia; New Caledonia.

Depth range: 0-62m.

Habitat: "coral rubble and boulder, red mud and fragments of *Halimeda*" (Moosa, 1991: 174).

Colour note: Kemp (1913: 103; 1915: 173).

Size: ♀, 16-68mm; ♂, 16.5-39mm.

***Pseudosquilla oculata* (Brullé, 1837)**

- 1880 *Pseudosquilla oculata*, - Miers, Ann. Mag. Nat. Hist., sér. 5, 5: 110, pl. 3, figs. 3-4.
 1913 *Pseudosquilla oculata*, - Kemp, Mem. Indian Mus., 4 (1): 102-103 [references].
 1921 *Pseudosquilla oculata*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 290-292.
 1931 *Pseudosquilla oculata*, - Bigelow, Bull. Mus. Comp. Zoöl., LXXII (4): 165-168, fig. 8.
 1941 *Pseudosquilla oculata*, - Holthuis, Temminckia, VI: 266-267.
 1953 *Pseudosquilla oculata*, - Townsley, Pac. Sci., VII: 415-416, figs. 12-13.
 1955 *Pseudosquilla oculata*, - Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 29-31, figs. 22-23, pl. 8, fig. 40, pl. 16, fig. 52.
 1969 *Pseudosquilla oculata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 271-278, figs. 75-76 [synonymy].
 1970 *Pseudosquilla oculata*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1431, tab. 1, 1439-1440.
 1970 *Pseudosquilla oculata*, - Manning, Stud. trop. Oceanogr., 4 (2): 264.
 1972 *Pseudosquilla oculata*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 251, tab. [distribution in Brazil].
 1974 *Pseudosquilla oculata*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 13-15, fig. 4.

- 1975 *Pseudosquilla oculata*, - Moosa, Mar. Res. Indonesia, 15: 8.
 1977 *Pseudosquilla oculata*, - Manning, Rev. Suisse Zool., 84 (2): 285-286.
 1977 *Pseudosquilla oculata*, - Manning, Atlantide Rep., 12: 103-106 [synonymy].
 1984 *Pseudosquilla oculata*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].
 1985 *Pseudosquilla oculata*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 164-165.
 1986 *Pseudosquilla oculata*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 309, pl. 98, fig.
 1990 *Pseudosquilla oculata*, - Manning & Chace, Smiths. Contr. Zool., 503: 71.
 1990 *Pseudosquilla oculata*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 114, fig. 14.

Distribution: Indo-West Pacific, from the W-Indian Ocean to Hawaii. - Madagascar (Ifaty); Mauritius; Indonesia (Panjang Isl., Sunda Strait); Samoa; French Polynesia (Society Islands); Hawaii. Also amphi-Atlantic, including Ascension and St. Helena Islands; S. Thomé (Annobón); Cape Verde Islands; Azores; Canary Islands; Portugal (Madeira) and Gulf of Guinea. In W-Atlantic from Florida; Bahamas; Mexico (Yucatán); Nicaragua; Dominican Republic; Puerto Rico; Virgin Islands; Guadeloupe; Colombia (Santa Marta area: Isla Aguja; Ensenada de Granate); Brazil.

Depth range: intertidal-69m.

Habitat: usually in reef habitats; under rocks; "in rocks around tide pool"; "one specimen taken in *Cymatium* shell" (Manning & Chace, 1990: 71); "sobre plataforma rocosa" (Werding & Müller, 1990: 114). In W-Africa (Annobon) it has been taken in rocks, algae, calcareous algae, and coral, and off Sao Thomé on sand, rocks and calcareous algae" (Manning, 1977: 106).

Colour note: Manning, 1969: 273-274; 1977: 105); Kemp (1913: 102-103).

Size: ♀, 24-105.5mm; ♂, 26-124.5mm; % postlarvae (Monodactyla stage), 27-32mm; & postlarvae (Monodactyla stage), 29-30mm.

Remarks: near Madeira, postlarvae were found in the stomachs of the pelagic fishes *Alepisaurus ferox* Lowe and *Thunnus alalunga* Bonnaterre. Adults in the stomachs of *Serranus atricauda* Günther, *Aphanopus carbo* (Lowe), and *Phycis phycis* (L.) (Biscoito, 1985: 164).

Additional synonymy: *Squilla oculata*; *Squilla monodactyla*; *Pseudosquilla monodactyla*; *Pseuderichthus distinguendus*.

***Pseudosquilla ornata* Miers, 1880**

- 1880 *Pseudosquilla ornata* Miers, Ann. Mag. Nat. Hist., (5) 5: 111, pl. 3, figs. 5-6.
 1894 *Pseudosquilla ornata*, - Zehntner, Rev. Suisse Zool., 2: 213.
 1913 *Pseudosquilla ornata*, - Kemp, Mem. Indian Mus., 4 (1): 100-101.
 1927 *Pseudosquilla ornata*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 3 (3): 324-325, pl. XIV, fig. 2-2b.
 1937 *Pseudosquilla ornata*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 7.
 1941 *Pseudosquilla ornata*, - Holthuis, Temminckia, VI: 263-264, fig. 3.
 1953 *Pseudosquilla ornata*, - Holthuis, Atoll. Res. Bull., 24: 61.

- 1962 *Pseudosquilla ornata*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.
 1967 *Pseudosquilla ornata*, - Manning, Crustaceana, 12 (1): 104.
 1977 *Pseudosquilla ornata*, - Manning, Rev. Suisse Zool., 84 (2): 286.
 1984 *Pseudosquilla ornata*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 38-39.
 1987 *Pseudosquilla ornata*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese, B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol. II. Biogeography and Systematics. Office of Scientific and Technical Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1.
 1991 *Pseudosquilla ornata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 174.

Distribution: E-Africa; La Réunion; Mauritius; Indo-Malayan waters (Amboina); Australia (Christmas Island); Japan; New Caledonia; Marianas Islands (lagoon W of Saipan); Enewetak Atoll; Samoa (Pango Pango); French Polynesia (Society Archipelago: Moorea, Turia Bay).

Depth range: 31m.

Habitat: "from 1/2 ton block of dead coral-algal rock" (Holthuis, 1953: 61).

Colour note: Moosa (1991: 174).

Size: ♀, 33-61.3mm; ♂, 29-44mm.

***Pseudosquilla oxyrhyncha* Borradaile, 1898**

- 1898 *Pseudosquilla oxyrhyncha* Borradaile, Proc. Zool. Soc. Lond., 37, pl. 6, fig. 9-9d.
 1913 *Pseudosquilla oxyrhyncha*, - Kemp, Mem. Indian Mus., 4 (1): 101-102.
 1923 *Pseudosquilla oxyrhyncha*, - Odhner, Göteb. Vetensk. Samh. Handl., 27 (1): 6.
 1927 *Pseudosquilla oxyrhyncha*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, 3: 325, pl. 14, fig. 2a.
 1941 *Pseudosquilla oxyrhyncha*, - Holthuis, Temminckia, VI: 264-266, fig. 4.
 1967 *Pseudosquilla oxyrhyncha*, - Holthuis, Atoll Res. Bull., 24: 61.
 1989 *Pseudosquilla oxyrhyncha*, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 226-227.

Distribution: Wotap and Banda; Japan; Ryukyu Islands; Marianas Islands lagoon W of Saipan); Fiji Islands (Rotuma); Marshall Islands (Ujae Atoll).

Colour note: Borradaile (1898: 37) and Kemp (1913: 102).

Size: ♀, 36.2-88mm.

***Pseudosquilla richeri* Moosa, 1991**

- 1991 *Pseudosquilla richeri* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 175-176, fig. 5.

Distribution: New Caledonia (Lagoon).

Depth range: 39-40m.

Habitat: sand bottom with *Halimeda*.

Colour note: Moosa (1991: 175).

Size: ♀, 27mm.

***Pseudosquillopsis* Serène, 1962**

- 1962 *Pseudosquillopsis* Serène, Bull. Inst. océanogr. Monaco, 1241: 12-16 [diagnosis, remarks], 16-17 [diagnosis, remarks of subgenus *Pseudosquillopsis*]; 17-20 [diagnosis, remarks of subgenus *Faughnia*].
 1963 *Pseudosquillopsis*, - Manning, Bull. mar. Sci., 13 (2): 311-312 [diagnosis, remarks, checklist of species].
 1969 *Pseudosquillopsis*, - Manning, Proc. biol. Soc. Wash., 82: 534-535, tab. 2 [characters of larvae, discussion], 536 [key to adults of the genus].
 1977 *Pseudosquillopsis*, - Manning, Atlantide Rep., 12: 107 [diagnosis, remarks, references].

***Pseudosquillopsis cerisii* (Roux, 1828)**

- 1910 *Pseudosquilla cerisii*, - Giesbrecht, Fauna Flora Golf. Neapel, 33: 34-39, pl. 1, fig. 3 [colour], pl. 4, figs. 1-36.
 1926 ?*Pseudosquilla ferussaci*, - Schmitt, Bull. Am. Mus. nat. Hist., 53: 57, fig. 75 [non *Parasquilla ferussaci* (Roux, 1830)].
 1951 *Pseudosquilla ferussaci*, - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 142, 144 [key] [non *Parasquilla ferussaci* (Roux, 1830)].
 1969 *Parasquilla ferussaci*, - Manning, Proc. biol. Soc. Wash., 82: 525 [discussion, non *Parasquilla ferussaci* (Roux, 1830)].
 1969 *Parasquilla cerisii*, - Manning, Proc. biol. Soc. Wash., 82: 534 [discussion], 536 [key].
 1977 *Pseudosquillopsis cerisii*, - Manning, Atlantide Rep., 12: 107-110, figs. 34-35, 50).
 1989 *Pseudosquillopsis cerisii*, - Froglija & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 268 [key], 271, fig. 3e-h.

Distribution: W-Africa and Mediterranean Sea. - western Mediterranean Basin; France (Corsica; Toulon); Italy (Messina); Greece. Senegal (Dakar); Zaire (Banana).

Depth range: shallow water.

Habitat: ?seagrass beds (*Posidonia*).

Colour note: Giesbrecht (1910, colour figure).

Size: to 110mm; postlarvae, 30-33mm.

***Pseudosquillopsis dofleini* (Balss, 1910)**

- 1910 *Pseudosquilla dofleini* Balss, Abh. math.-phys. Kl. K. Bayer. Akad. Wiss., suppl. 2 (2): 7, fig. 1.
 1913 *Pseudosquilla dofleini*, - Kemp, Mem. Indian Mus., 4 (1): 104-105.

Distribution: Japan (Sagami Bay).

Size: ♂, 85mm.

***Pseudosquillopsis lessonii* (Guérin, 1830)**

- 1940 *Pseudosquilla lessoni*, - Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4): 175-176, fig. 16 [synonymy].
 1954 *Pseudosquillopsis lessonii*, - Dahl, Acta Univ. Lund. N.F., Avd. 2, Bd. 49 (17): 6.
 1969 *Pseudosquillopsis lessonii*, - Manning, Proc. biol. Soc. Wash., 82: 528-529, fig. 2 [postlarvae], 532-533, fig. 4 [juv. %].
 1974 *Pseudosquillopsis lessonii*, - Manning, Steenstrupia, 3: 104.

Distribution: E-Pacific. - ?California; Galapagos Archipelago; Peru (Callao; San Juan Bay); Chile.

Depth range: intertidal.

Habitat: stones and sand.

Colour note: Schmitt (1940: 176).

Size: %, 90-150mm.

***Pseudosquillopsis marmorata* (Lockington, 1877)**

- 1877 *Squilla marmorata* Lockington, Proc. Calif. Acad. Sci., 7: 33.
 1940 *Pseudosquilla lessonii*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 175, fig. 16 [part, non *P. lessonii* (Guérin, 1830)].
 1969 *Pseudosquillopsis marmorata*, - Manning, Proc. biol. Soc. Wash., 82: 527, 531, figs. 1-3 [postlarvae, juveniles].
 1972 *Pseudosquillopsis marmorata*, - Manning, Zoologica, N.Y., 56: 106-107.
 1980 *Pseudosquillopsis marmorata*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 246.
 1980 *Pseudosquillopsis marmorata*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 14.
 1989 *Pseudosquillopsis marmorata*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 244, tab. I.

Distribution: E-Pacific. - California (San Diego); Mexico (Arena Bank); Ecuador (Galapagos Archipelago; Isla La Plata); Gulf of California; Costa Rica (near Isla del Caño).

Depth range: littoral-99m.

Habitat: sand and mud flats.

Size: %, 25-120mm; &-postlarva; 28mm; 25-40mm.

Lysiosquilloidea

- 1980 Lysiosquilloidea, - Manning, Proc. biol. Soc. Wash., 93 (2): 367 [diagnosis, families included].
 1993 Lysiosquilloidea, - Manning & Camp, Proc. biol. Soc. Wash., 106 (1): 88-89 [key to families].

Coronididae

- 1980 Coronididae Manning, Proc. biol. Soc. Wash., 93 (2): 367-368 [diagnosis, included genera].
 1983 Coronididae, - Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 455 [comparison of genera], 456 [key to genera].

***Acoridon* Adkinson, Heard & Hopkins, 1983**

- 1983 *Acoridon* Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 454-456, tab. 1 [diagnosis, remarks].

***Acoridon manningi* Adkinson, Heard & Hopkins, 1983**

- 1983 *Acoridon manningi* Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 456-461, figs. 1-4.
 1993 *Acoridon manningi*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: eastern Gulf of Mexico.

Depth range: 94-99m.

Colour note: Adkinson, Heard & Hopkins (1983: 461).

Size: 13mm, &, 41mm.

***Coronida* Brooks, 1886**

- 1886 *Coronida* Brooks, Rep. sci. Res. expl. Voyage Challenger, Zool. 16: 79-80 [diagnosis, remarks].
 1963 *Coronida*, - Manning, Bull. mar. Sci., 13 (2): 322 [diagnosis, remarks, checklist of species].
 1967 *Coronida*, - Holthuis, Crustaceorum Catalogus, I: 6 [references].
 1977 *Coronida*, - Manning, Atlantide Rep., 12: 69 [diagnosis, references].
 1983 *Coronida*, - Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 455, tab. 1 [comparison with other genera of family].

Synonymy: *Coroniderichthus*.

***Coronida bradyi* (A. Milne Edwards, 1869)**

- 1869 *Squilla Bradyi* A. Milne Edwards, in: de Folin & Périer, Fonds de la Mer, I. Crust.: 137, pl. XVII, fig. 11.
 1913 *Coronida bradyi*, - Kemp, Mem. Indian Mus., 4 (1): 115.
 1920 *Coronida bradyi*, - Grasvler, Bull. Mus. natn. Hist. nat., Paris, 26: 115-118 [references].
 1964 *Coronida bradyi*, - Holthuis & Manning, Bull. zool. Nom., 21 (2): 139 [text].
 1940 *Coronida bradyi*, - Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4): 202-207, fig. 24 [references].
 1967 *Coronida armata*, - Holthuis, Crustaceorum Catalogus, 1: 6-8 [complete synonymy].
 1970 *Coronida armata*, - Manning, Stud. trop. Oceanogr., 4: 260-261.
 1974 *Coronida armata*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 15.
 1977 *Coronida bradyi*, - Manning, Atlantide Rep., 12: 69-73, figs. 18-19, 52 [complete references].
 1984 *Coronida armata*, - Holthuis, Zool. Meded., 58 (8): 136-137.
 1993 *Coronida bradyi*, - Manning & Camp, Proc. biol. Soc. Wash., 106 (1): 89, fig. 3a-c.

Distribution: E-Atlantic. - Canary Islands (SE-coast of Lanzarote); Cape Verde Islands (Saint Vincent); Principé and

Annobon in the Gulf of Guinea.

Depth range: 0-69m.

Habitat: rocky and sandy coasts.

Colour note: Manning (1970: 260; 1977: 72).

Size: ♀, 14-30mm; ♂, 16-46mm; juv., 10mm.

Remarks: a species with confusing synonymy, see Holthuis (1967: 6-7).

Additional synonymy: *Coroniderichthus armatus*; *Erichthus armatus*; *Erichthus pyramidus*; *Smerdis armatus*; *Smerdis D'Orbygnyi*; *Smerdis Spinosus*.

***Coronida glasselli* Manning, 1976**

1976 *Coronida glasselli* Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1; 224-227, fig. 1.

Distribution: E-Pacific. - Colombia (Gorgono Island).

Depth range: 10.7-12.8m.

Habitat: "coral, sand, rubble, detritus" (Manning, 1976: 223, tab. 1).

Colour note: Manning (1976: 226)

Size: ♀, 19-36mm.

***Coronida schmitti* Manning, 1976**

1940 *Coronida bradyi*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 202, fig. 24 [non *C. bradyi* (A. Milne-Edwards)].

1976 *Coronida schmitti* Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1; 227-230, fig. 2.

Distribution: Mexico (San Cristobal Bay); Galapagos Archipelago (Tagus Cove, Albemarle Island; Sullivan Bay, James Island; Charles Island); Ecuador (La Plata Island)

Depth range: 2.4-6.1m.

Habitat: "boulders, talus, talus debris" (Manning, 1976: 223, tab. 1).

Colour note: Manning (1976: 229).

Size: ♀, 13-44mm; ♂, 15-48mm.

***Mortensenenus* Manning, 1990**

1990 *Mortensenenus* Manning, J. Crust. Biol., 10 (1): 162 [diagnosis, remarks].

***Mortensenenus minus* Manning, 1990**

1990 *Mortensenenus minus* Manning, J. Crust. Biol., 10 (1): 162-164, fig. 1.

Distribution: Mauritius (off Tombeau Bay).

Depth range: 73m.

Habitat: "sand and coral" (Manning, 1990: 162).

Size: ♂, 31mm.

***Neocoronida* Manning, 1976**

- 1976 *Neocoronida* Manning, Proc. biol. Soc. Wash., 89 (16): 222-224 [diagnosis, remarks].
- 1978 *Neocoronida*, - Manning, Smiths. Contr. Zool., 264: 11 [remarks, key to species].
- 1983 *Neocoronida*, - Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 455, tab. 1 [comparison with other genera of family].

***Neocoronida cocosiana* (Manning, 1972)**

- 1972 *Coronida cocosiana* Manning, Proc. biol. Soc. Wash., 85 (21): 271-273, fig. 1.

Distribution: E-Pacific. - Costa Rica (Cocos Island).

Depth range: shallow water.

Size: ♀, 20mm.

***Neocoronida martensi* Manning, 1978**

- 1978 *Neocoronida martensi* Manning, Smiths. Contr. Zool., 264: 12-13, fig. 6.

Distribution: Caroline Islands (Palau).

Size: ♂, 45mm.

***Neocoronida trachurus* (von Martens, 1881)**

- 1881 *Gonodactylus trachurus* von Martens, Sitz-Ber. Ges. naturforsch. Freunde Berlin, 1881: 93.
- 1884 *Gonodactylus trachurus*, - Miers, Proc. zool. Soc. Lond., 1884: 16, pl. 1, fig. 3.
- 1906 *Coronida trachura*, - Nobili, Ann. Sci. nat. Zool., 4 (9): 334.
- 1913 *Coronida trachura*, - Kemp, Mem. Indian Mus., 4 (1): 130-132 [references].
- 1927 *Coronida trachura*, - Gravier, Exped. Sci. Travailleur Talisman: 35.
- 1938 *Coronida trachura*, - Dollfus, Mém. Inst. Égypte, 29: 205, fig. 13.
- 1940 *Coronida trachura*, - Parisi, Mem. Com. Talassogr. Ital., 275: 5.
- 1963 *Coronida trachura*, - Ingle, Bull. Sea Fish. Res. Stat. Haifa, 33: 24, figs., 16, 64.
- 1967 *Coronida trachurus*, - Holthuis, Crustaceorum Catalogus, I: 8 [complete synonymy].
- 1977 *Coronida trachura*, - Manning, Rev. Suisse Zool., 84 (2): 286-287.
- 1978 *Neocoronida trachurus*, - Manning, Smiths. Contr. Zool., 264: 13-15, fig. 7.
- 1984 *Neocoronida trachurus*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].

Distribution: Red Sea; Madagascar; Mauritius; Seychelles (Aldabra Atoll); Mauritius; Palau.

Colour note: Kemp (1913 (131-132); Manning (1978: 15).

Size: ♀, 47mm; ♂, 32-47mm.

Additional synonymy: *Odontodactylus trachurus*.

***Paracoridon* Moosa, 1991**

- 1991 *Paracoridon* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 179-180 [diagnosis, remarks].

***Paracoridon johrae* Moosa, 1991**

- 1991 *Paracoridon johrae* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 180-182, fig. 7.

Distribution: New Caledonia (Lagoon).

Depth range: 160-200m.

Size: ♀, 39mm.

***Parvisquilla* Manning, 1973**

- 1973 *Parvisquilla* Manning, Crustaceana, 23 (3): 299-300 [diagnosis, remarks].
 1978 *Parvisquilla*, - Manning, Smiths. Contr. Zool., 264: 15-16 [diagnosis, remarks, key to species].
 1983 *Parvisquilla*, - Adkinson, Heard & Hopkins, J. Crust. Biol., 3 (3): 455, tab. 1 [comparison with other genera of family].

***Parvisquilla multituberculata* (Borradaile, 1898)**

- 1898 *Squilla multituberculata* Borradaile, Proc. zool. Soc. Lond., 1898: 38, pl. VI, figs. 7, 7a-c.
 1913 *Coronida multituberculata*, - Kemp, Mem. Indian Mus., 4 (1): 132-133.
 1927 *Squilla tuberculata*, - Gravier, Expéd. Sci. "Travailleur" et du "Talisman"... 9 (Malacostracés, suite): 36 [error for *S. multituberculata*].
 1967 *Coronida multituberculata*, - Holthuis, in: Crustaceorum Catalogus, 1: 8 [synonymy].
 1975 *Parvisquilla xishaensis* Liu, Stud. Mar. Sinica, 10: 183-184, 196, pl. 1, figs. 1-6.
 1978 *Parvisquilla multituberculata*, - Manning, Smiths. Contr. Zool., 264: 16-18, fig. 8 [synonymy].
 1987 *Parvisquilla multituberculata*, - Duris, Zool. Zh., 66 (6): 940-942, pl. 2.
 1991 *Parvisquilla multituberculata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 182.

Distribution: Maldives; China (Shi Island, Xisha Islands, Guangong Province); Loyalty Islands (Sandal Bay, Lifu); Tonga (Eva Island); Samoa (Apia); French Polynesia (Society Archipelago: Moorea).

Depth range: "in the non-living base of the colony of a coral, *Acropora* sp." (Duris, 1987: 943).

Colour note: Borradaile (1898: 38).

Size: ♂, 11-14.5mm.

Parvisquilla sinuosa (Edmondson, 1921)

1921 *Coronida sinuosa* Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 295-297, fig. 2.

1953 *Coronida sinuosa*, - Townsley, Pac. Sci., 7: 419-421, figs. 16-17.

1967 *Coronida sinuosa*, - Holthuis, Crustaceorum Catalogus, I: 8 [complete references].

Distribution: Hawaii (Waikiki reef, Honolulu).

Depth range: shallow water

Habitat: found among dead corals.

Colour note: Edmondson (1921: 297).

Size: about 17mm.

Lysiosquillidae

1967 Lysiosquillidae, - Holthuis, Crustaceorum Catalogus, I: [synonymy, complete references of genera and species].

1968 Lysiosquillidae, - Manning, Bull. mar. Sci., 18 (1): 109-110 [diagnosis, remarks], 110-111 [key to genera].

1968 Lysiosquillidae, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 8 [diagnosis, remarks], 9 [key to genera from W-Pakistan].

1969 Lysiosquillidae, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 18-21 [diagnosis, remarks, key to American genera].

1972 Lysiosquillidae, - Manning, Zoologica, N.Y., 56: 98 [key to genera and species from the E-Pacific].

1977 Lysiosquillidae, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 6 [key to genera found at Phuket Island, Thailand].

1977 Lysiosquillidae, - Manning, Atlantide Rep., 12: 58 [remarks], 59 [key to genera and species from the Mediterranean and E-Atlantic].

1980 Lysiosquillidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 368 [diagnosis, included genera].

1980 Lysiosquillidae, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 12-14 [discussion of family].

1986 Lysiosquillidae, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 309-310 [diagnosis].

Remarks: Species of this family dig vertical burrows in sandy bottoms (Reaka & Manning, 1980: 14).

Acaenosquilla Manning, 1991

1991 *Acaenosquilla* Manning, Smiths. Contr. Zool., 521: 6 [diagnosis, remarks].

Acaenosquilla brazieri (Miers, 1880)

1880 *Lysiosquilla Brazieri* Miers, Ann. Mag. nat. Hist., ser. 5, 5: 11, 125, pl. 1, figs. 3-6.

- 1962 *Lysiosquilla latifrons brazieri*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 38, figs. 1w-f, pl. 1, figs. A-D [synonymy].
 1966 *Heterosquilla (Heterosquilloides) brazieri*, - Manning, Rec. Austr. Mus., 27 (4): 125-127.
 1967 *Heterosquilla (Heterosquilloides) brazieri*, - Holthuis, Crustaceorum Catalogus, I: 12-13 [complete synonymy].
 1969 *Heterosquilla (Heterosquilloides) brazieri*, - Michel, Bull. Mus. natn. Hist. nat., 2e sér, Tome 40, 5 (1968): 992-997, figs. 1-2 [larvae].
 1991 *Acaenosquilla brazieri*, - Manning, Smiths. Contr. Zool., 521: 6.

Distribution: Australia (off Kingscliff and Port Jackson, New South Wales; Tweed Heads, Queensland); Coral Sea; New Caledonia; New Zealand.

Depth range: 55-<100m.

Habitat: gravel.

Colour note: Stephenson (1962: 39) and Manning (1966: 126).

Size: ♂, 23-99mm.

Acaenosquilla latifrons (de Haan, 1844)

- 1844 *Squilla latifrons* de Haan, Fauna Japonica, Crust., atlas: pl. 51, fig. 3.
 1849 *Squilla latifrons* de Haan, Fauna Japonica, Crust., text: 222.
 1913 *Lysiosquilla latifrons*, - Kemp, Mem. Indian Mus., 4 (1): 128-129.
 1927 *Lysiosquilla latifrons*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., (B) 3 (3): 333-335, pl. 14, fig. 3.
 1941 *Lysiosquilla latifrons*, - Holthuis, Temminckia, VI: 275 [synonymy].
 1967 *Heterosquilla (Heterosquilloides) latifrons*, - Holthuis, Crustaceorum Catalogus, I: 13 [complete synonymy].
 1991 *Acaenosquilla latifrons*, - Manning, Smiths. Contr. Zool., 521: 6 [text].

Distribution: Japan (near Nagasaki).

Colour note: Komai (1927: 334).

Size: ♂, 47-70mm.

Heterosquilla Manning, 1963

- 1963 *Heterosquilla* Manning, Bull. mar. Sci., 13 (2): 320-322 [diagnosis, remarks, checklist of species].
 1966 *Heterosquilla*, - Manning, Rec. Austr. Mus., 27: 118-119 [diagnosis, remarks, key to Indo-Pacific species].
 1967 *Heterosquilla*, - Holthuis, Crustaceorum Catalogus, I: 10 [references].
 1969 *Heterosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 42-45 [diagnosis, remarks, subgenera *Heterosquilla*, *Heterosquilloides*].

Heterosquilla platensis (Berg, 1900)

- 1900 *Lysiosquilla platensis* Berg, Comm. Mus. Nac. Buenos Aires, 1 (7): 230, fig.
 1922 *Lysiosquilla platensis*, - Parisi, Atti. Soc. Ital. sci., 61: 108, fig. 4.
 1967 *Heterosquilla platensis*, - Holthuis, Crustaceorum Catalogus, I: 10-11 [references].

- 1969 *Heterosquilla platensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 48-52, figs. 9-10 [references].

Distribution: Uruguay (Rio de la Plata); Argentina (Mar de la Plata; Bajo de los Huesos).

Colour note: Manning (1969: 50).

Heterosquilla polydactyla (von Martens, 1881)

- 1940 *Lysiosquilla polydactyla*, - Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4): 187-189, fig. 19.
 1957 *Lysiosquilla polydactyla*, - Bahamonde, Invest. Zool. Chile, 3 (5-7): 119, figs. 1-3.
 1967 *Heterosquilla (Heterosquilla) polydactyla*, - Holthuis, Crustaceorum Catalogus, I: 11 [complete references].
 1971 *Heterosquilla polydactyla*, - Manning, Proc. biol. Soc. Wash., 84 (33): 265-270, fig. 1 [description of postlarva].
 1969 *Heterosquilla (Heterosquilla) polydactyla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 45-48, fig. 8 [references].

Distribution: Chile (Tierra del Fuego; Valparaiso; Concepcion, Bahia de San Vincente); Argentina (Chubut Province: Puerto Piramides, Golfo Nuevo).

Colour note: Manning (1969: 47).

Size: ♀, 36-95mm; ♂, 89mm.

Heterosquilla tricarinata (Claus, 1871)

- 1871 *Coronis tricarinata* Claus, Abh. Königl. Ges. Wiss. Göttingen, 116: 128, 139.
 1875 *Coronis spinosa* Wood-Mason, Proc. Asiat. Soc. Bengal, 1875: 232.
 1966 *Heterosquilla (Heterosquilla) spinosa*, - Manning, Rec. Austr. Mus., 27: 120-124, fig. 8 [synonymy].
 1967 *Heterosquilla (Heterosquilla) spinosa*, - Holthuis, Crustaceorum Catalogus, 1: 11 [complete synonymy].
 1967 *Heterosquilla (Heterosquilla) tricarinata*, - Holthuis, Crustaceorum Catalogus, 1: 11-12 [complete synonymy].
 1968 *Heterosquilla (Heterosquilla) spinosa*, - Manning & Serène, in: Prodrum for a Check List of the Non-Planktonic Marine Fauna of South East Asia, Singapore natn. Acad. Sci., Spec. Publ., 1: 115 [list].
 1968 *Heterosquilla (Heterosquilla) tricarinata*, - Manning & Serène, in: Prodrum for a Check List of the Non-Planktonic Marine Fauna of South East Asia, Singapore natn. Acad. Sci., Spec. Publ., 1: 115 [list].
 1978 *Heterosquilla tricarinata*, - Manning, Smiths. Contr. Zool., 264: 8.
 1984 *Heterosquilla tricarinata*, - Greenwood & Williams, J. Plankton Res., 6 (4): 615-633, figs. 1-6, tabs. I-III [larvae and post-larvae; ecological implications of abbreviated development in relation to high-latitude distribution].
 1985 *Heterosquilla tricarinata*, - Williams, Greenwood & Jillett, Bull. mar. Sci., 36 (1): 104-113, figs. 1-5, tab. 1 [description of laboratory rearing from egg to juvenile].
 1988 *Coronis spinosa*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 654.

Distribution: New Zealand (several locations, also from

surrounding islands; cf. Manning (1966: 120, 124); type specimens recorded from the Andaman Islands probably incorrectly labeled (Ghosh & Manning, 1988: 654).

Depth range: intertidal.

Habitat: lives in burrows on sandflats and mudflats.

Colour note: Ralph & Yaldwyn (1956).

Size: ♀, 51-78mm; ♂, 62-68mm.

Additional synonymy: *Squilla indefensa*.

***Heterosquilloides* Manning, 1966**

1966 *Heterosquilloides* Manning, Rec. Austr. Mus., 27: 124 [diagnosis, remarks; as subgenus of *Heterosquilla*].

1969 *Heterosquilloides*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 44-45 [diagnosis, remarks; as subgenus of *Heterosquilla*].

***Heterosquilloides armata* (Smith, 1881)**

1967 *Heterosquilla* (*Heterosquilloides*) *armata*, - Holthuis, Crustaceorum Catalogus, I: 12 [complete references].

1969 *Heterosquilloides armata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 52-55, fig. 11 [references].

1974 *Heterosquilla* (*Heterosquilloides*) *armata*, - Manning, NOAA Tech. Rep. NMFS, Circ-387: 1, 3 [key], 4, figs. 7, 9.

1975 *Heterosquilla* (*Heterosquilloides*) *armata*, - Gore & Becker, Proc. biol. Soc. Wash., 88 (3): 21-28, figs. 1-3.

1976 *Heterosquilla* (*Heterosquilloides*) *armata*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 24 [unpublished manuscript].

1976 *Heterosquilla* (*Heterosquilloides*) *armata*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 160, fig. 16, tabs. 1-2.

1985 *Heterosquilloides armata*, - Camp, J. Crust. Biol., 5 (3): 465-467, fig. 1.

Distribution: NW-Atlantic, off New England. - off New Jersey; northwestern Gulf of Mexico, E-coast of Florida; south of Galveston, Texas.

Depth range: 96-218m.

Habitat: inhabits the continental slope within the above mentioned known range.

Size: ♀, 20.7-66.8mm; ♂, 20.2-47.3mm.

Remarks: is known from the stomach of tilefish (Manning, 1969: 52, 55).

***Heterosquilloides insignis* (Kemp, 1911)**

1911 *Lysiosquilla insignis* Kemp, Rec. Indian Mus., 6 (2): 94.

1913 *Lysiosquilla insignis*, - Kemp, Mem. Indian Mus., 4: 126-128, pl. IX, figs. 99-102.

1929 *Lysiosquilla insignis*, - Gordon, Ann. Mag. nat. Hist., 10 (4): 462.

1950 *Lysiosquilla insignis*, - Barnard, Ann. S. Afr. Mus., 38: 858-859, fig. 3c.

1967 *Heterosquilla* (*Heterosquilloides*) *insignis*, - Holthuis, Crustaceorum Catalogus, I: 13 [complete references].

1978 *Heterosquilla* (*Heterosquilloides*) *zarenkovi* Makarov, Zool. Zh., 57: 179-180,

pl. 2.

- 1985 *Heterosquilloides insignis*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 386, pl. I, fig. C.
 1988 *Lysiosquilla insignis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.
 1991 *Heterosquilloides insignis*, - Manning, Smiths. Contr. Zool., 521: 6, fig. 5, 14 [tab.].

Distribution: South Africa (off Durban); off Andaman Islands; Vietnam; Philippines.

Depth range: 275-510m.

Habitat: sandy mud.

Size: ♀, 42-52mm; ♂, 23-91mm.

***Heterosquilloides insolita* (Manning, 1963)**

- 1963 *Lysiosquilla insolita* Manning, Bull. mar. Sci. Gulf & Caribb., 13 (1): 54-57, fig. 1.
 1967 *Heterosquilla (Heterosquilloides) insolita*, - Holthuis, Crustaceorum Catalogus, I: 13 [references].
 1969 *Heterosquilla (Heterosquilloides) insolita*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 58-61, fig. 13.

Distribution: W-Atlantic. - northern Straits of Florida. ?E-Pacific. - Galapagos Archipelago (Hood Island).

Depth range: 91-?247m.

Colour note: Manning (1969: 60).

Size: ♀, 47.7mm.

***Heterosquilloides insueta* Manning, 1970**

- 1970 *Heterosquilloides (Heterosquilloides) insueta*, - Manning, Rec. Austr. Mus., 28: 81-84, fig. 2.

Distribution: Australia (Great Australian Bight, W-Australia).

Depth range: 77m.

Size: ♀, 23mm.

***Heterosquilloides philippinensis* Moosa, 1985**

- 1985 *Heterosquilloides philippinensis* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 386-388, fig. 5.

Distribution: Philippines.

Depth range: 160-222m.

Colour note: Moosa (1985: 388).

Size: ♀, 35-40mm; ♂, 29-42mm.

***Lysiosquilla* Dana, 1852**

- 1961 *Lysiosquilla*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 31-32 [remarks, key to species from the Atlantic Coast of northern South America].
- 1963 *Lysiosquilla*, - Manning, Bull. mar. Sci., 13 (2): 317-318 [diagnosis, remarks, checklist of species].
- 1967 *Lysiosquilla*, - Holthuis, Crustaceorum Catalogus, I: 14-15 [complete references].
- 1968 *Lysiosquilla*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 36 [remarks, key to Indo-West Pacific species].
- 1968 *Lysiosquilla*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 11-12 [diagnosis, remarks].
- 1969 *Lysiosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 21-24 [diagnosis, remarks, key to W-Atlantic species].
- 1970 *Lysiosquilla*, - Michel, Cah. O.R.S.T.O.M., sér. Océanogr., 8 (3): 53-75, figs. 1-10, tabs. 1-8 [descriptions of larvae collected in the South Pacific; late larval stages were reared to postlarvae and revealed 3 distinct species which, however, could not be determined with certainty].
- 1971 *Lysiosquilla*, - Manning, Proc. biol. Soc. Wash., 84 (27): 229 [key to American species].
- 1977 *Lysiosquilla*, - Manning, Atlantide Rep., 12: 74 [references].
- 1978 *Lysiosquilla*, - Manning, Smiths. Contr. Zool., 259: 1-16 [synopses of Indo-West Pacific species]; 2-3 [key to Indo-West Pacific species].

Synonymy and erroneous spellings: *Erichthus*; *Smerdis*; *Smerdus*; *Erychtus*; *Erichtus*; *Pontiobius*; *Pontiabius*; *Erichthoidina*; *Lysioerichthus*; *Lisiosquilla*; *Lisosquilla*; *Lyssiosquilla*; *Lyssioerichthus*; *Lysosquilla*; *Lyosquilla*; *Lysoquilla*; *Sysiosquilla* (all from Holthuis, 1967: 14-15).

***Lysiosquilla campechiensis* Manning, 1962**

- 1962 *Lysiosquilla campechiensis* Manning, Proc. biol. Soc. Wash., 75: 219-220.
- 1967 *Lysiosquilla campechiensis*, - Holthuis, Crustaceorum Catalogus, I: 15 [references].
- 1969 *Lysiosquilla campechiensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 40-42.

Distribution: W-Atlantic. - Mexico (Gulf of Campeche).

Depth range: 62-66m.

Colour note: Manning (1969: 42).

Size: %, 64-132mm.

***Lysiosquilla capensis* Hansen, 1895**

- 1895 *Lysiosquilla capensis* Hansen, Ergebn. Plankton-Exped. Humboldt-Stiftung, 2: 74.
- 1910 *Lysiosquilla capensis*, - Stebbing, Ann. S. Afr. Mus., 6 (4): 406.
- 1913 *Lysiosquilla capensis*, - Kemp, Mem. Indian Mus., 4 (1): 117.
- 1922 *Lysiosquilla capensis*, - Parisi, Atti Soc. Ital. Sci. Nat., 61: 105, fig. 3.
- 1950 *Lysiosquilla capensis*, - Barnard, Ann. S. Afr. Mus., 38: 856, fig. 4e [larva].
- 1967 *Lysiosquilla capensis*, - Holthuis, Crustaceorum Catalogus, 1: 15 [references, larvae].
- 1969 *Lysiosquilla capensis*, - Manning, Smiths. Contr. Zool., 1: 5-6, fig. 1.

1978 *Lysiosquilla capensis*, - Manning, *Smiths. Contr. Zool.*, 259: 3, fig. 11.

Distribution: South Africa (Port Elizabeth; False Bay; Algoa Bay; Agulhas Bank; Knysna Estuary).

Depth range: shallow water-88m.

Habitat: sandy bottom.

Colour note: Manning (1969: 6).

Size: %, 59-104mm; "other specimens" 40-96mm.

***Lysiosquilla desaussurei* (Stimpson, 1857)**

1940 *Lysiosquilla desaussurei*, - Schmitt, *Publ. Allan Hancock Found. Pac. Exped.*, 5 (4): 193-194 [synonymy].

1967 *Lysiosquilla desaussurei*, - *Crustaceorum Catalogus*, 1: 16 [references].

1972 *Lysiosquilla desaussurei*, - Manning, *Zoologica*, N.Y., 56: 99, fig. 2.

1974 *Lysiosquilla desaussurei*, - Manning, *Steenstrupia*, 3: 106.

1980 *Lysiosquilla desaussurei*, - Brusca, *Stomatopoda*, in: *Common intertidal invertebrates of the Gulf of California*; 2nd ed., Univ. Arizona Press: 247, fig. 13.12.

1980 *Lysiosquilla desaussurei*, - Reaka & Manning, *Smiths. Contr. mar. Sci.*, 7: 11-12.

1989 *Lysiosquilla desaussurei*, - Hendrickx & Salgado-Barragan, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 244, tab. I.

Distribution: E-Pacific. - Mexico (Los Palmillos, San José del Cabo, Baja California; off Mazatlán; Tangola-Tangola Bay); Costa Rica (near Isla del Caño; Piedra Blanca Bay); Peru (Caleta le Cruz, near Tumbes).

Depth range: 20-48m.

Colour note: Manning (1972: 99).

Size: %, 68-210mm; &, 84mm.

***Lysiosquilla glabriuscula* (Lamarck, 1818)**

1941 *Lysiosquilla glabriuscula*, - Holthuis, *Zool. Meded.*, 23: 36 [synonymy].

1955 *Lysiosquilla glabriuscula*, - Lemos de Castro, *Bolm. Mus. Nac. Rio de Janeiro, Zool.*, 128: 37-39, fig. 25, pl. 11, fig. 43e, pl. 17, fig. 54.

1967 *Lysiosquilla glabriuscula*, - Holthuis, *Crustaceorum Catalogus*, I: 16-17 [complete synonymy].

1969 *Lysiosquilla glabriuscula*, - Manning, *Stud. Trop. Oceanogr.*, 8, *Inst. mar. Sci.*, Univ. Miami: 34-40, figs. 5c-d, 6 [synonymy].

1972 *Lysiosquilla glabriuscula*, - Coelho & Koenig, *Trab. Oceanogr. Univ. Fed. Pe.*, 13: 250, tab. [distribution in Brazil].

1978 *Lysiosquilla glabriuscula*, - Fausto-Filho, *Arq. Ciên. Mar.*, 18: 66, tab. I.

1990 *Lysiosquilla glabriuscula*, - Werding & Müller, *Caribb. J. Sci.*, 26 (3-4): 105, fig. 1.

1993 *Lysiosquilla glabriuscula*, - Schotte & Manning, *Proc. biol. Soc. Wash.*, 106 (3): 571-572, fig. 2.

Distribution: South Carolina and Florida to Brazil; Mexico; Bahamas; Jamaica; Honduras; Dominican Republic; Puerto Rico; St. Vincent; Virgin Islands; Guadeloupe; Colombia (Santa Marta area: Bahía Chengue; Bahía de Nenguange); Tobago.

Depth range: shallow subtidal - 50m.

Habitat: coral reefs. - "rock wall to rubble flat, crevices" (Schotte & Manning, 1993: 571); sandy bottoms.

Colour note: Schotte & Manning (1993: 571) and Manning (1969: 38).

Size: ♀, 25-230mm; ♂, 25-214mm; postlarvae, 22-29mm; adults exceed 200mm total length.

Remarks: was found in the stomach of the fishes *Dasyatis centroura* and *Lutjanus analis*.

***Lysiosquilla hoevenii* (Herklots, 1851)**

- 1851 *Squilla Hoevenii* Herklots, Additamenta ad faunam carcinologicam Africae Occidentalis, ...: 17, 26, pl. 1, fig. 11.
- 1949 *Lysiosquilla maculata*, - Vilela, An. Jta. Invest. colon., 4: 67, fig. 17 [non *L. maculata* (Fabricius, 1793)].
- 1951 *Lysiosquilla scabricauda*, - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 139, figs. 1-3 [non *L. scabricauda* (Lamarck, 1818)].
- 1967 *Lysiosquilla hoevenii*, - Holthuis, Crustaceorum Catalogus, 1: 17 [complete synonymy].
- 1974 *Lysiosquilla hoevenii*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 15-16.
- 1977 *Lysiosquilla hoevenii*, - Manning, Atlantide Rep., 12: 74-80, figs. 20-21, 26a-c, 54 [synonymy].
- 1981 *Lysiosquilla hoevenii*, - Manning, in: Fischer, W., G. Bianchi & W.B. Scott (eds.), FAO species identification sheets for fishery purposes. Eastern Central Atlantic; fishing areas 34, 47 (in part): 2, fig.
- 1991 *Lysiosquilla hoevenii*, - Manning, Smiths. Contr. Zool., 521: 7.

Distribution: E-Atlantic. - W-Africa, from Cape Verde Islands to Angola: Cape Verde Islands; Senegal (Joali; mouth of Casamance); Gambia (Ilha de Bubaque); Ile de Santiago, Bissau; Sierra Leone; Liberia; Ivory Coast (Grand Bassam); Ghana (Accra; Chokora; Boutry); Togo (Lomé); Nigeria (Baie de Cotonou, Dahomey); Sao Thomé (Praia das Conchas); off Congo; Angola.

Depth range: shallow water-30m.

Habitat: rocky and sandy bottoms.

Colour note: Manning (1977: 78).

Size: ♀, 98-265mm; ♂, 73-225mm.

***Lysiosquilla maculata* (Fabricius, 1793)**

- 1793 *Squilla maculata* Fabricius, Entomologia systematica emendata et aucta..., 2: 511.
- 1883 *Lysiosquilla Miersii* De Vis, - Proc. Linn. Soc. N.S.W., 7: 321.
- 1913 *Lysiosquilla maculata*, - Kemp, Mem. Indian Mus., 4 (1): 111-116, pl. VIII, figs. 86-91.
- 1915 *Lysiosquilla maculata*, - Kemp, Philippine J. Sci., D, 10 (3): 174.
- 1921 *Lysiosquilla maculata*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 292-295, fig. 1c-d.
- 1931 *Lysiosquilla maculata*, - Bigelow, Bull. Mus. Comp. Zoöl., LXXII (4): 169-173, fig. 9.

- 1941 *Lysiosquilla maculata*, - Holthuis, Temminckia, VI: 269-272, fig. 5.
 1953 *Lysiosquilla maculata*, - Townsley, Pac. Sci., VII: 416-419, figs. 14, 15a-g.
 1967 *Lysiosquilla maculata*, - Holthuis, Crustaceorum Catalogus, 1: 18-20
 [complete synonymy, numerous references].
 1977 *Lysiosquilla maculata*, - Manning, Rev. Suisse Zool., 84 (2): 287.
 1978 *Lysiosquilla maculata*, - Manning, Smiths. Contr. Zool., 259: 3-7, figs. 1-3,
 9, including remarks on sexual dimorphism.
 1984 *Lysiosquilla maculata*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-
 Dufresne" et de Prospections Littorales de la edette "Japonaise";
 C.N.F.R.A., 55: 39 [list, refs. records from La Réunion and Mauritius].
 1986 *Lysiosquilla maculata*, - in: Proc. 1st As. Fish. Forum, Manila: 189-191,
 fig. 1 [map], tabs. 1-4 [distribution and abundance in Mindanao area, The
 Philippines].
 1987 *Lysiosquilla maculata*, - Reaka & Manning, in: Devaney, D.M., E.S. Reese,
 B.L. Burch & P. Helfrich (eds). The Natural History of Enewetak Atoll, Vol.
 II. Biogeography and Systematics. Office of Scientific and Technical
 Information U.S. Dept. Energy, Washington, D.C.: 182, tab. 1.
 1988 *Lysiosquilla maculata*, - Steger & Benis-Steger, Proc. 6th Int. Coral Reef
 Symp., Australia, 2: 115.
 1991 *Lysiosquilla maculata*, - Manning, Smiths. Contr. Zool., 521: 7.
 1991 *Lysiosquilla maculata*, - Moosa, Stomatopoda, in: Le benthos des fonds
 meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges,
 ed.), Ed. ORSTOM: 179.
 1992 *Lysiosquilla maculata*, - Baensch & Debelius, Meerwasser Atlas; Mergus Verl.
 Natur- und Heimtierkunde: 678, colour photo.
 1992 *Lysiosquilla maculata*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12
 [list].

Distribution: Indo-Pacific. - Tanzania (Dar es Salaam);
 Chagos Archipelago (Diego Garcia Atoll); Seychelles (Mahé, Port
 Victoria); Mozambique; La Réunion; Mauritius; Indonesia
 (Celebes); Australia (Qzeensland: Moreton Bay); New Caledonia
 (Ile des Pins); Enewetak Atoll; Samoa (Apia, Upolu Islands);
 French Polynesia (Society Archipelago: Papara, Tahiti; Moorea;
 Raiatea; Bora Bora, Farepiti Point. Marquesas Archipelago: Nuku
 Hiva. Tuamotu Archipelago: Toau Atoll); Hawaii (Honolulu,
 Oahu); Line Islands (Palmyra Island).

Depth range: 0-28m.

Habitat: sand and rubble bottoms; according to Augsinco,
 Mendoza, Acuna & Tan (1986: 189) the species burrows in "fine
 coral-sand substrates and very fine sediments", also in
 seagrass beds.

Colour note: Manning (1978: 6-7) and Bigelow (1931: 172).

Size: ♀, 76-317mm; ♂, 120->300mm.

Remarks: *L. maculata* is the largest stomatopod species.
 "Most of the literature records require verification" (Manning,
 1978: 7). It is of some importance in local fishery of certain
 areas.

***Lysiosquilla monodi* Manning, 1977**

- 1888 ?*Lysiosquilla maculata*, - Osorio, J. Sci. math. phys. nat., 12: 189 [non
Lysiosquilla maculata (Fabricius, 1793)].
 1901 ?*Lysiosquilla maculata*, - Bouvier & Lesne, Bull. Mus. Hist. nat. Paris, 7:

- 14 [non *Lysiosquilla maculata* (Fabricius, 1793)].
- 1925 *Lysiosquilla maculata* var. *sulcirostris*, - Monod, Bull. Soc. Sci. nat. Maroc, 5: 88, pl. 21, figs. B-C, E-F [not *Lysiosquilla sulcirostris* Kemp, 1913].
- 1925 *Lysiosquilla maculata*, - Monod, Bull. Soc. Sci. nat. Maroc, 5: 91 [key], 92 [list, non *Lysiosquilla maculata* (Fabricius, 1793)].
- 1933 *Lysiosquilla maculata* var. *sulcirostris*, - Monod, Bull. Com. Étud. hist. scient. Afr. occid. fr., 15: 540 [not *Lysiosquilla sulcirostris* Kemp, 1913].
- 1950 *Lysiosquilla maculata* var. *sulcirostris*, - Cadenat, C. r. 1. Conf. int. Afr. l'Ouest, 1: 192-193 [in discussion, not *Lysiosquilla sulcirostris* Kemp, 1913].
- 1950 *Lysiosquilla maculata* var. *typica*, - Cadenat, C. r. 1. Conf. int. Afr. l'Ouest, 1: 192 [non *Lysiosquilla maculata* (Fabricius, 1793)].
- 1950 *Lysiosquilla maculata*, - Cadenat, C. r. 1. Conf. int. Afr. l'Ouest, 1: 192 [non *Lysiosquilla maculata* (Fabricius, 1793)].
- 1951 *Lysiosquilla maculata*, - Dartevelle, Bull. Séanc. Inst. r. colon. belge, 22 (4): 1034 [in discussion, not *Lysiosquilla maculata* (Fabricius, 1793)].
- 1963 *Lysiosquilla Monodi* Monod, Notice sur les titres et travaux scientifiques de Th. Monod: 124 [nomen nudum].
- 1977 *Lysiosquilla monodi* Manning, Atlantide Rep., 12: 81-84, figs. 22, 23, 26d-f, 54.

Distribution: E-Atlantic. - Mauritania (off Cap Blanc); Senegal (Dakar).

Habitat: "beach" (Manning, 1977: 81).

Colour note: Manning (1977: 82-83).

Size: ♀, 91-135mm; ♂, 79mm.

***Lysiosquilla panamica* Manning, 1971**

- 1971 *Lysiosquilla panamica* Manning, Proc. biol. Soc. Wash., 84 (27): 226-229, fig. 1.
- 1974 *Lysiosquilla panamica*, - Manning, Steenstrupia, 3: 106.
- 1987 *Lysiosquilla panamica*, - Salgado Barragán & Illescas Monterroso, Rev. Biol. Trop., 35 (1): 159-160.
- 1991 *Lysiosquilla panamica*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Auton. México, ser. Zool., 62 (3): 436.

Distribution: E-Pacific. - Mexico; Panamá (Taboga).

Depth range: 17-57m.

Habitat: mud; sandy bottom; silty sand.

Colour note: Manning (1971: 228).

Size: ♀, 68.5-205mm.

***Lysiosquilla scabricauda* (Lamarck, 1818)**

- 1818 *Squilla scabricauda* Lamarck, Histoire naturelle des animaux sans vertèbres, etc. 5: 188.
- 1930 *Lysiosquilla maculata*, - Boone, Vanderbilt mar. Mus., 2: 11, 29, pl. 3.
- 1934 *Lysiosquilla scabricauda*, - Glassell, Trans. San Diego Soc. nat. Hist., 7 (38): 454.

- 1937 *Lysiosquilla scabricauda*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 7-8.
- 1955 *Lysiosquilla scabricauda*, - Lemos de Castro, Bolm. Mus. Nac. Rio de Janeiro, Zool., 128: 34-37, fig. 24, pl. 10, fig. 42e, pl. 17, fig. 53.
- 1961 *Lysiosquilla scabricauda*, - Manning, Quart. J. Fla. Acad. Sci., 24 (2): 101-106, figs. 1-2, tab. 1 [sexual dimorphism].
- 1966 *Lysiosquilla scabricauda*, - Moore & Boss, Nautilus, 80 (1): 34-35 [association with bivalve *Paraborina squillina*].
- 1967 *Lysiosquilla scabricauda*, - Holthuis, Crustaceorum Catalogus, I: 20-23 [complete synonymy, numerous references].
- 1967 *Lysiosquilla scabricauda*, - Manning, Crustaceana, 12 (1): 104.
- 1969 *Lysiosquilla scabricauda*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 24-34, figs. 2-4, 5a-b [synonymy].
- 1972 *Lysiosquilla scabricauda*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
- 1973 *Lysiosquilla scabricauda*, - Camp, Mem. Hourglass Cruises, 3 (2): 10-11, fig. 2.
- 1974 *Lysiosquilla scabricauda*, - in: Tropical marine invertebrates of southern Florida and the Bahama Islands, New York: 69 and colour plate.
- 1976 *Lysiosquilla scabricauda*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 25 [unpublished manuscript].
- 1976 *Lysiosquilla scabricauda*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): figs. 3, 16, tabs. 1-2.
- 1977 *Lysiosquilla scabricauda*, - Manning, Rev. Suisse Zool., 84 (2): 287.
- 1978 *Lysiosquilla scabricauda*, - Fausto-Filho, Arq. Ciên. Mar., 18: 66, tab. I.
- 1986 *Lysiosquilla scabricauda*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 310, pl. 98, fig.
- 1990 *Lysiosquilla scabricauda*, - Markham, Donath-Hernandez, Villalobos-Hiriart & Diaz-Barriga, An. Inst. Biol. Univ. Autón. México, Ser. Zool., 61 (3): 410.
- 1990 *Lysiosquilla scabricauda*, - Werdning & Müller, Caribb. J. Sci., 26 (3-4): 105-106, fig. 2a-c.
- 1992 *Lysiosquilla scabricauda*, - Mikkelsen & Bieler, Malacologia, 34 (1-2): 1-24 [descriptions of 3 new commensal bivalve species of the genus *Divariscintilla*, found occupying the burrows of *L. scabricauda*].
- 1993 *Lysiosquilla scabricauda*, - Manning & Camp, Proc. biol. Soc. Wash., 106 (1): 89, fig. 3d-f.

Distribution: Bermuda; Mississippi; Louisiana; Texas; Bahamas; Florida; Honduras; Nicaragua; Mexico; Panamá; Antigua; Colombia (Barranquilla; Dept. Guajira); Venezuela; Trinidad; Brazil; numerous records in Manning (1969: 25-27).

Depth range: 0-55m.

Habitat: burrows in soft bottoms and sand.

Colour note: Manning (1969: 30).

Size: ♀, 52-269mm; ♂, 127-261mm.

Remarks: Is often collected by fisherman, using a hook and a line. It is also taken in catches of *Penaeus* shrimps. *Parabornia squillina* (Bivalvia, Erycinidae) is known epizoic from this stomatopod and some bivalves of the genus *Divariscintilla* occupy burrows *L. scabricauda*.

***Lysiosquilla sulcata* Manning, 1978**

- 1978 *Lysiosquilla sulcata* Manning, Smiths. Contr. Zool., 259: 7-10, figs. 4-6, 10.
- 1988 *Lysiosquilla sulcata*, - Steger & Benis-Steger, Proc. 6th Int. Coral Reef

Symp., Australia, 2: 115-118, tabs. 1-3 [ecology].

Distribution: Maldives (Rastu Atoll, near Weligandu Island; between Mafilefuri and Mara Islands, Fadiffolu Atoll); Madagascar (Grand Recif, Tuléar); Indonesia (West Irian: Konori Island, Mios Wendi, Padaido Group. Amboina); Mariana Islands (Saipan); French Polynesia (Society Archipelago: Moorea).

Depth range: shallow water.

Habitat: coral reefs. - "sand zone with coral"; "between buoys; coarse sand, plants" (Manning, 1978: 8); common in the coral reef lagoons of Moorea, French Polynesia, where it is found sometimes in dense aggregations; lives in long burrows of (may be more to 7m long), which go down 1-2m into the sand.

Colour note: Manning (1978: 10).

Size: ♀, 41-150mm; ♂, 75-98mm; according to Steger & Bonita Steger (1988: 115) over 200mm.

Lysiosquilla sulcirostris Kemp, 1913

- 1849 *Squilla maculata*, - De Haan, in: Fauna Japonica sive descriptio Animalium,...: 221 [non *Squilla maculata* Fabricius, 1793].
- 1913 *Lysiosquilla maculata* var. *sulcirostris* Kemp, Mem. Indian Mus., 4 (1): 116, pl. VIII, figs. 92-93.
- 1941 *Lysiosquilla maculata* var. *sulcirostris*, - Holthuis, Temminckia, VI: 272.
- 1952 *Lysiosquilla sulcirostris*, - Alikunhi, Rec. Indian Mus., 49 (3): 287-289, fig. 18 [last pelagic larval stage, identified through metamorphosis in the laboratory].
- 1954 *Lysiosquilla maculata* var. *sulcirostris*, - Serène, 6, 7, 8, 11, 13, 70, figs. 1, 3, pl. 5, figs. 3-4, pl. 6, figs. 3-4.
- 1967 *Lysiosquilla sulcirostris*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 910-915, figs. 168-173 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1967 *Lysiosquilla sulcirostris*, - Holthuis, Crustaceorum Catalogus, 1: 23 [complete synonymy].
- 1968 *Lysiosquilla sulcirostris*, - Alikunhi, Proc. Symp. Crustacea, Mar. Biol. Ass. India, II: 910, figs. 168-173 [larval and postlarval development].
- 1970 *Lysiosquilla sulcirostris*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1431, tab. 1, 1438-1439, fig. 3.
- 1975 *Lysiosquilla maculata*, - Moosa, Mar. Res. Indonesia, 15: 8-9.
- 1978 *Lysiosquilla sulcirostris*, - Manning, Smiths. Contr. Zool., 259: 11-13, figs. 7-8, 12.
- 1988 *Lysiosquilla maculata* var. *sulcirostris*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.
- 1992 *Lysiosquilla sulcirostris*, - Baensch & Debelius, Meerwasser Atlas; Mergus Verl. Natur- und Heimtierkunde: 679, colour photo.

Distribution: Madagascar (Tany Kely); Andaman Islands; Indonesia (Lembah Strait, N. Celebes; Jakarta; several other records in Moosa (1975: 9); Lombussa Island (Jesus-Maria), Admiralty Group; Japan.

Depth range: 20m.

Habitat: "between buoys, coarse sand, plants" (Manning, 1970: 1438); sand and rubble bottoms.

Colour note: Manning (1978: 12).

Size: %, 41-325mm; postlarva, 20mm.

Remarks: All the records in older literature require verification!

***Lysiosquilla tredecimdentata* Holthuis, 1941**

- 1913 *Lysiosquilla maculata*, - Kemp, Mem. Indian Mus., 4 (1): 111, pl. 8, figs. 87-89 [part].
- 1934 *Lysiosquilla maculata*, - Chopra, Rec. Indian Mus., 36: 28 [part].
- 1941 *Lysiosquilla maculata* var. *tredecimdentata* Holthuis, Temminckia, VI: 273-274, fig. 6.
- 1952 *Lysiosquilla maculata*, - Alikunhi, Rec. Indian Mus., 49 (3): 285-287, fig. 17 [last pelagic larval stage, identified through metamorphosis in laboratory].
- 1963 ?*Lysiosquilla maculata*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 23 [part, reference to material from Gulf of Aden only].
- 1967 *Lysiosquilla maculata*, - Alikunhi, Proc. Symp. Crustacea, Mar. Biol. Ass. India: 904-910, figs. 158-167 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1967 *Lysiosquilla tredecimdentata*, - Holthuis, Crustaceorum Catalogus, 1: 23-24 [synonymy].
- 1968 *Lysiosquilla tredecimdentata*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 38-41, fig. 13.
- 1968 *Lysiosquilla tredecimdentata*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 12-14, fig. 4. [synonymy].
- 1969 *Lysiosquilla tredecimdentata*, - Manning, Smiths. Contr. Zool., 1: 6.
- 1975 *Lysiosquilla tredecimdentata*, - Dutt & Ravindranath, Proc. Indian Acad. Sci., 81B (2): 64-65, figs. 25-30.
- 1977 *Lysiosquilla tredecimdentata*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 8, fig. 4c-e.
- 1978 *Lysiosquilla tredecimdentata*, - Manning, Smiths. Contr. Zool., 259: 13, fig. 13.
- 1981 *Lysiosquilla tredecimdentata*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 243, fig. 5.

Distribution: Red Sea; Gulf of Aden; Madagascar (Estuaire du Mangoky); South Africa (Durban, Natal); Pakistan (off Karachi); India (Coconada; Madras; Andhra Pradesh; Andaman Islands); Thailand (Phuket).

Depth range: intertidal to shallow subtidal.

Habitat: In Phuket (Thailand) "The burrows of this species are common in hard sand exposed at low tides on the beach" (Dingle, Caldwell & Manning, 1977: 8); grey mud.

Colour note: Dingle, Caldwell & Manning (1977: 8) and Manning (1968: 40).

Size: %, 120-259mm; &, 116-246mm.

***Lysiosquilla varicosa* Komai & Tung, 1930**

- 1930 *Lysiosquilla varicosa* Komai & Tung, Annot. zool. Japon., 13 (1): 15-19, figs. 2-3.
- 1986 *Lysiosquilla varicosa*, - Camp & Manning, Smiths. Contr. Zool., 444: 2, fig. 1 [considered a species inquirendum].

Distribution: Japan (Senoumi, Suruga Bay; Asizuri-Zaki, Kôti Prefecture).
 Depth range: 123-223m.
 Size: ♀, 34mm.

***Lysiosquilloides* Manning, 1977**

1977 *Lysiosquilloides* Manning, Atlantide Rep., 12: 84-85 [diagnosis, remarks].

***Lysiosquilloides aulacorhynchus* (Cadenat, 1957)**

- 1957 *Lysiosquilla aulacorhynchus* Cadenat, Bull. Inst. fr. Afr. noire, 19, sèr. A, 1: 127, figs. 1-8.
 1958 *Lysiosquilla maculata*, - Longhurst, Fish. Publs. colon. Off., 11: 37 [in discussion, non *Lysiosquilla maculata* (Fabricius, 1793)].
 1958 *Lysiosquilla maculata sulcirostris*, - Longhurst, Fish. Publs. colon. Off., 11: 86 [non *Lysiosquilla sulcirostris* Kemp, 1913].
 1963 *Lysiosquilla aulacorhynchus*, - Manning, 317 [list].
 1967 *Lysiosquilla aulacorhynchus*, - Holthuis, Crustaceorum Catalogus, 1: 15 [complete synonymy].
 1977 *Lysiosquilloides aulacorhynchus*, - Manning, Atlantide Rep., 12: 86-89, figs. 24, 25, 26g-i, 54).
 1981 *Lysiosquilloides aulacorhynchus*, - Manning, in: Fischer, W., G. Bianchi & W.B. Scott (eds.), FAO species identification sheets for fishery purposes. Eastern Central Atlantic; fishing areas 34, 47 (in part): 2, fig.

Distribution: E-Atlantic, off W-Africa. - Senegal (Yèn); Sierra Leone; Sao Thomé.
 Depth range: 25m.
 Habitat: "in a shallow, soft deposit community (*Venus-Amphioplus* transitional community) at 25m on muddy shell" (Manning, 1977: 89).
 Colour note: Manning (1977: 88-89).
 Size: ♀, 161-266mm.

***Lysiosquilloides siamensis* (Naiyanetr, 1980)**

- 1980 *Lysiosquilla siamensis* Naiyanetr, Stomatopoda of Thailand: 35-37, pl. 34, figs. a-d.
 1983 *Lysiosquilloides siamensis*, - Naiyanetr, Senckenbergiana biol., 63 (5/6) (1982): 393-394, figs. 1, 3.

Distribution: Thailand (Gulf of Thailand; Ko Si Chung, Chon Buri Prov.; coast of Chumphon Prov.).
 Colour note: Naiyanetr (1983: 394).

***Rissoides* Manning & Lewinsohn, 1982**

- 1989 *Rissoides* Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 352-353 [diagnosis, remarks].

Rissoides africanus (Manning, 1974)

- 1925 *Squilla pallida*, - Monod, Bull. Soc. Sci. nat. Maroc, 5 (3): 87 [part, not the figured specimen].
- 1927 *Squilla Desmaresti*, - Gravier, Expéd. sci. Travailleuse Talisman, 9: 32 [part, non *Meiosquilla desmaresti* (Risso, 1816)].
- 1933 *Squilla pallida*, - Monod, Bull. Com. Étud. hist. sci. Afr. occid. fr. 15: 540 [list].
- 1951 *Squilla pallida*, - Dartevelle, Bull. Inst. fr. Afr. noire, 13 (1): 1032 [in discussion].
- 1958 *Squilla pallida*, - Buchanan, Proc. zool. Soc. Lond., 130 (1): 59.
- 1958 *Squilla pallida*, - Longhurst, Fish. Publ. colon. Off., 11: 37, 45, 86 [all non *Meiosquilla pallida* (Giesbrecht, 1910)].
- 1970 ?*Meiosquilla pallida*, - Manning, Stud. trop. Oceanogr., 4 (2): 264 [non *Meiosquilla pallida* (Giesbrecht, 1910)].
- 1974 *Meiosquilla africana* Manning, Ann. Inst. Océanogr., Paris, 49 (Suppl.): 16-18, fig. 5.
- 1977 *Meiosquilla africana*, - Manning, Atlantide Rep., 12: 117-122, figs. 38, 56.
- 1982 *Rissoides africanus*, - Manning & Lewinsohn, Proc. biol. Soc. Wash., 95 (2): 353 [text].
- 1991 *Rissoides africanus*, - Manning, Smiths. Contr. Zool., 521: 13.

Distribution: W-Africa. - Mauritania (Cap Blanc); off Senegal; off Ivory Coast; Sierra Leone; Ghana (off Accra); off Niger delta; Angola (Lobito).

Depth range: 15-100m.

Habitat: "mud with sand and clay"; "sand, little mud"; "greyish mud"; "green oolitic mud"; "fine shelly green mud"; "film of fine mud on medium size sand" (Manning, 1977: 117-119). Also reported from a silty sand community (Buchanan, 1958) and a *Venus* and *Venus-Amphioplus* transitional community on shelly sand and shelly mud bottom (Longhurst, 1958).

Colour note: Manning (1977: 120).

Size: ♀, 15-36mm; ♂, 13-35mm.

Remarks: In Senegal it was found in the stomach of the fish *Trygon marmorata*, and in Mauritania in the stomach of *Trygon* sp. and *Rhinobates* sp. (Manning, 1977: 118-119).

Rissoides barnardi (Manning, 1975)

- 1950 *Meiosquilla desmaresti*, - Barnard, Ann. S. Afr. Mus., 38: 842-844, fig. 1a.
- 1969 *Meiosquilla desmaresti*, - Manning, Smiths. Contr. Zool., 1: 13.
- 1975 *Meiosquilla barnardi* Manning, Ann. S. Afr. Mus., 67 (9): 363-366, fig. 1.
- 1982 *Rissoides barnardi*, - Manning & Lewinsohn, Proc. biol. Soc. Wash., 95 (2): 353 [text].

Distribution: South Africa (off Cape Natal, Durban).

Depth range: 175-200m.

Size: ♀, 26-30mm; ♂, 27mm.

Rissoides calypso (Manning, 1974)

- 1974 *Meiosquilla calypso* Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 18-19, fig. 6.
 1977 *Meiosquilla calypso*, - Manning, Atlantide Rep., 12: 122-123, figs. 39, 56.
 1982 *Rissoides calypso*, - Manning & Lewinsohn, Proc. biol. Soc. Wash., 95 (2): 353 [text].

Distribution: E-Atlantic. - off Cape Verde Islands.
 Depth range: 20m.
 Colour note: Manning (1977: 123).
 Size: ♂, 35mm.

***Rissoides desmaresti* (Risso, 1816)**

- 1816 *Squilla desmaresti* Risso, Histoire naturelle des crustacés des environs de Nice: 114, pl. 2, fig. 8.
 1832 *Squilla desmaresti*, - Guérin, in: Expéd. Sci. Morée, Sec. Sci. Physiques, 3 (1) (zool., sec. 2): 43.
 1910 *Squilla desmaresti*, - Giesbrecht, Fauna Flora Golf Neapel, 33: 5, 25-34 [adult specimens], 125, 138 [juvs.], 56, 87-108 [larvae], pl. 1, figs. 6-7 [colour], pl. 3, figs. 1-6, 9, 11-12, 14-25, 29, 31-32, 34-37 [adult specimens], pl. 6, figs. 59-68 [juvs], pl. 10, figs. 1-99 [larvae].
 1966 *Squilla desmaresti*, - van der Baan & Holthuis, Netherl. J. Sea Res., 3 (1): 3-8, tab. II [occurrence of larvae in North Sea].
 1966 *Squilla desmaresti*, - Verwey, Netherl. J. Sea Res., 3 (1): 13-16, fig. 1 [map], tab. I [occurrence of larvae in the southern North Sea].
 1977 *Meiosquilla desmaresti*, - Manning, Rev. Suisse Zool., 84 (2): 288.
 1977 *Meiosquilla desmaresti*, - Manning, Atlantide Rep., 12: 124-127, figs. 40-41, 56.
 1979 *Meiosquilla desmaresti*, - Manning & Froglija, Quad. Laboratory Tec. Pesca, 2 (4): 183, 185-189, fig. 3c, e.
 1980 *Meiosquilla desmaresti*, - Lewinsohn & Manning, Smiths. Contr. Zool., 305: 7-9, fig. 4a-g.
 1981 *Meiosquilla desmaresti*, - Kocatas, Crustaceana, 40 (2): 214.
 1982 *Rissoides desmaresti*, - Manning & Lewinsohn, Proc. biol. Soc. Wash., 95 (2): 353 [text].
 1984 *Meiosquilla desmaresti*, - Mauchline, Synopses Br. Fauna (N.S.), 30: 63 [key], 64-65, figs. 21-22.
 1985 *Rissoides desmaresti*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 165-168, fig. 6, tab. 1.
 1985 *Meiosquilla desmaresti*, - Clark, Porcupine Newsl., 3 (3): 90-93, fig. 1, fig. 2 [map].
 1987 *Rissoides desmaresti*, - Valladeres, Misc. Zool., 11: 374-375, fig. 2a-c.
 1989 *Rissoides desmaresti*, - Froglija & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 269 [key], 272, fig. 4f-j.
 1994 *Rissoides desmaresti*, - Dounas & Steudel, Crustaceana, 66 (2): 254.

Distribution: NE-Atlantic and entire Mediterranean Sea. - north of southern North Sea; Portugal (Madeira: Funchal Bay); Mediterranean Coast of Spain; Italy (Naples; Sicily); Adriatic Sea; France (Villefranche); Greece (Gulf of Calamata; Island of Crete); Cyprus; Israel; ?off Egypt.

Depth range: 15-500m.

Habitat: seems to prefer soft bottoms; has been found on

sand-silt-clay and mud; also on muddy-sandy bottoms and in *Posidonia* meadows.

Colour note: Manning (1977: 125-126) and Giesbrecht (1910, colour plate).

Size: may reach 90mm. - ♀, 27-62mm; ♂, 26-61mm.

Remarks: in Madeira found in stomachs of the fishes *Scorpaena scrofa* L., *Sparus pagrus* L., *Phycis phycis* (L.) and *Serranus atricauda* Günther (Boscoito, 1985: 165).

Rissoides pallidus (Giesbrecht, 1910)

- 1910 *Squilla pallida* Giesbrecht, Fauna Flora Gulf. Neapel, 33: 25-34, pl. 1, fig. 5 [colour], pl. 3, figs. 7-8, 10, 13, 26-28, 30, 33, 38-39, figs. 9-10.
 1925 *Squilla pallida*, - Monod, Bull. Soc. Sci. nat. Maroc, 5 (3): 87, 90 [key], pl. 20, figs. A-C [part].
 1956 *Squilla desmaresti*, - Forest & Guinot, Bull. Stat. Océanogr. Salammbô, 53: 42 [not *S. desmaresti* Risso, 1816].
 1964 *Squilla desmaresti*, - Pérès, Ann. Inst. Océanogr., Monaco, 41: 29 [not *S. desmaresti* Risso, 1816].
 1974 *Meiosquilla pallida*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 19.
 1977 *Meiosquilla pallida*, - Manning, Atlantide Rep., 12: 127-129, figs. 42-43.
 1978 *Rissoides pallidus*, - Manning, Proc. biol. Soc. Wash., 91 (2): 451-452.
 1979 *Meiosquilla pallida*, - Manning & Frogliia, Quad. Laboratory Tec. Pesca, 2 (4): 184, 185-189, fig. 3a-b, d.
 1980 *Meiosquilla pallida*, - Lewinsohn & Manning, Smiths. Contr. Zool., 305: 9-10, fig. 4h-m.
 1982 *Rissoides pallidus*, - Manning & Lewinsohn, Proc. biol. Soc. Wash., 95 (2): 353 [text].
 1985 *Rissoides pallidus*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 168-171, fig. 7.
 1987 *Rissoides pallidus*, - Valladeres, Misc. Zool., 11: 375-376, fig. 2d-f.
 1989 *Rissoides pallidus*, - Frogliia & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 269 [key], 272, fig. 4k-o.
 1993 *Rissoides pallidus*, - Pipitone & Tumbiolo, Crustaceana, 65 (3): 360 [tab.].
 1994 *Rissoides pallidus*, - Dounas & Steudel, Crustaceana, 66 (2): 254.

Distribution: E-Atlantic and Mediterranean Sea. - Portugal (Madeira); Morocco to Ivory Coast; off Senegal. - Scattered localities throughout the Mediterranean: Mediterranean Coast of Spain; Tunisia; Israel; Italy (Sicilian Channel); Adriatic Sea; Greece (Island of Crete).

Depth range: 80-500m.

Habitat: mud; coarse shelly sand; "fine gray-yellow muddy sand"; "sand, mud, shell, rocks" (Manning, 1977: 127); "silty clay" (Dounas & Steudel, 1994: 254).

Colour note: Manning (1977: 128-129) and Giesbrecht (1910, colour plate).

Size: ♀, 45-63mm; ♂, 21-61mm.

Nannosquillidae

- 1980 Nannosquillidae Manning, Proc. biol. Soc. Wash., 93 (2): 368 [diagnosis,

included genera].

***Acanthosquilla* Manning, 1963**

- 1963 *Acanthosquilla* Manning, Bull. mar. Sci., 13 (2): 319-320 [diagnosis, remarks, checklist of species].
 1967 *Acanthosquilla*, - Holthuis, Crustaceorum Catalogus, I: 3 [reference, remarks].
 1968 *Acanthosquilla*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 32 [remarks], 33 [key to Indo-West Pacific species].
 1968 *Acanthosquilla*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 9 [diagnosis, remarks].
 1969 *Acanthosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 61-62 [diagnosis, remarks, key to W-Atlantic species].
 1977 *Acanthosquilla*, - Manning, Atlantide Rep., 12: 59-60 [references, remarks].

Remarks: According to Holthuis (1967: 3), some or all species live "commensally with Balanoglossids in burrows in the sand".

***Acanthosquilla acanthocarpus* (Claus, 1871)**

- 1871 *Coronis acanthocarpus* Claus, Abh. Ges. Wiss. Göttingen, 16: 129.
 1887 *Lysiosquilla Sarasinorum* Müller, Verh. naturf. Ges. Basel, 8: 478-479, pl. 4, fig. 3.
 1913 *Lysiosquilla acanthocarpus*, - Kemp, Mem. Indian Mus., 4: 120-122 [references].
 1927 *Lysiosquilla acanthocarpus*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 3 (3): 331-332, pl. XIV, fig. 4-4d.
 1930 *Lysiosquilla acanthocarpus*, - Komai & Tung, Annot. zool. Japon., 13 (1): 14-15, fig. 1.
 1930 *Lysiosquilla acanthocarpus*, - Roxas & Estampador, Nat. appl. Sci. Bull., Manila, 1: 112-113, pl. III, figs. 1-2.
 1939 *Lysiosquilla acanthocarpus*, - Serène, Bull. Soc. Zool. Fr., 64: 345-346, figs. 1-4.
 1952 *Lysiosquilla acanthocarpus*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 359-360.
 1952 *Lysiosquilla acanthocarpus*, - Alikunhi, Rec. Indian Mus., 49 (3): 293-296, fig. 21 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1966 *Acanthosquilla acanthocarpus*, - Lee & Wu, Bull. Inst. Zool., 5: 53-54, fig. 8A-C.
 1967 *Acanthosquilla acanthocarpus* var. *septemspinosa*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 925-928, figs. 189-194 [postlarva and juvenile, identified through metamorphosis in laboratory].
 1967 *Acanthosquilla acanthocarpus*, - Holthuis, Crustaceorum Catalogus, I: 3 [complete synonymy].
 1968 *Acanthosquilla acanthocarpus*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 9-11, fig. 3 [synonymy].
 1981 *Acanthosquilla acanthocarpus*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 242, fig. 4.
 1990 *Acanthosquilla acanthocarpus*, - Manning, Steenstrupia, 16 (6): 100.
 1992 *Acanthosquilla acanthocarpus*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1):

12 [list].

Distribution: Widely distributed in the Indo-West Pacific.
- Mozambique; Persian Gulf (Saudi Arabia: Ra's at Tannurah);
Pakistan (Manora Island, Karachi); Mozambique; Indo-Malayan
area; Philippines (Cebu); Australia; Taiwan; Japan.

Depth range: taken at "surface at night" (Manning, 1990:
100), to 80m.

Colour note: Tirmizi & Manning (1968: 11) and Kemp (1913:
122).

Size: ♀, 39-100mm; ♂, 41-91.8mm.

***Acanthosquilla derijardi* Manning, 1970**

1970 *Acanthosquilla derijardi* Manning, Bull. Mus. natn. Hist. nat., Paris, 2e
sér., 41 (6) (1969): 1431, tab. 1, 1434-1438, fig. 2.

1973 *Acanthosquilla derijardi*, - Moosa, Mar. Res. Indonesia, 13: 13-14.

1975 *Acanthosquilla derijardi*, - Holthuis, Crustaceana, 29 (3): 309-310.

1975 *Acanthosquilla derijardi*, - Moosa, Mar. Res. Indonesia, 15: 8.

1984 ?*Acanthosquilla derijardi*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e
sér., 6, sec. A, no. 2: 427.

1991 *Acanthosquilla derijardi*, - Manning, Smiths. Contr. Zool., 521: 7, fig. 6.

1991 *Acanthosquilla derijardi*, - Moosa, Stomatopoda, in: Le benthos des fonds
meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges,
ed.), Ed. ORSTOM: 183.

Distribution: Red Sea (Gulf of Elat); ?Seychelles;
Madagascar; Borneo (Sandakan); Indonesia (Jakarta Bay; Kai
Islands; Maluku waters); Philippines (Sulu Archipelago: Tinakta
Island, Tawi Tawi Group); New Caledonia (Lagoon); Chesterfield
Islands; Caroline Islands (Ponape).

Depth range: 18-60m.

Habitat: coral-clay; corals and sand on reef flat; muddy
sand; coarse sand.

Colour note: Manning (1970: 1437).

Size: ♀, 10-64mm; ♂, 21-44mm.

***Acanthosquilla humesi* Manning, 1968**

1965 *Acanthosquilla humesi* Humes, Bull. Mus. Comp. Zool. Harvard, 134 (6): 184.

1968 *Acanthosquilla humesi* Manning, Proc. U.S. natn. Mus., 124 (3641): 33, fig.
11.

1984 *Acanthosquilla humesi*, - Ghosh, Bull. zool. Surv. India, 6 (1-3): 262-264,
fig. 2.

Distribution: Madagascar (Ambatozavary, Nosy Bé); India
(Goa: Marmagoa Bay).

Depth range: intertidal.

Habitat: "dug from 30cm intertidal sand" (Manning, 1968:
33).

Colour note: Manning (1968: 35).

Size: ♀, 63.2mm; ♂, 62.5-64.5mm.

Remarks: Is known as the host of the cyclopoid copepod

Hemicyclops acanthosquillae Humes, 1965, most probably the first copepod reported as a parasite of mantis shrimps.

***Acanthosquilla manningi* Makarov, 1979**

1979 *Acanthosquilla manningi* Makarov, Zool. Zh., 57 (2): 177-178, pl. 1.

Distribution: Vietnam (Gulf of Tonkin).

Depth range: 27-65mm.

Size: ♀, 34mm; ♂, 33-35mm.

***Acanthosquilla multifasciata* (Wood-Mason, 1895)**

1895 *Lysiosquilla multifasciata* Wood-Mason, Figures and descriptions of nine species of Squillidae from the collection in the Indian Museum, Calcutta, 1895: 2, pl. 1, figs. 4-7.

1904 *Lysiosquilla valdiviensis* Jurich, Wiss. Ergebn. Valdivia Exped., 7: 372-375, pl. 26, fig. 2-2g.

1913 *Lysiosquilla multifasciata*, - Kemp, Mem. Indian Mus., 4 (1): 122-124.

1915 *Lysiosquilla multifasciata*, - Kemp, Philippine J. Sci., D, 10 (3): 175-176, pl. I, figs. 2-3.

1921 *Lysiosquilla multifasciata*, - Tattersall, J. Linn. Soc. London, Zool., 34: 359, pl. 28, fig. 6.

1931 *Lysiosquilla multifasciata*, - Schmitt, Lignan J. Sci., 8 (1929): 144-146, pl. 19, figs. 15-18.

1939 *Lysiosquilla multifasciata*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 162-165, figs. 8-9.

1941 *Lysiosquilla multifasciata*, - Holthuis, Temminckia, VI: 274.

1952 *Lysiosquilla multifasciata*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 360-361, fig. 4.

1952 *Lysiosquilla multifasciata*, - Alikunhi, Rec. Indian Mus., 49 (3): 289-291, fig. 19 [last pelagic larval stage, identified through metamorphosis in laboratory].

1962 *Lysiosquilla multifasciata*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.

1963 *Lysiosquilla multifasciata*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 23-24, figs. 21, 42, 65, 73.

1966 *Acanthosquilla multifasciata*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 54.

1967 *Acanthosquilla multifasciata*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 915-920, figs. 174-185 [last pelagic larval stage and postlarva, identified through metamorphosis in laboratory].

1967 *Acanthosquilla multifasciata*, - Holthuis, Isr. J. Zool., 16: 22-23.

1967 *Acanthosquilla multifasciata*, - Holthuis, Crustaceorum Catalogus, I: 4-5 [complete synonymy].

1973 *Acanthosquilla multifasciata*, - Moosa, Mar. Res. Indonesia, 13: 14.

1977 *Acanthosquilla multifasciata*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 6-8, fig. 4a-b.

1988 *Lysiosquilla multifasciata*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.

1990 *Acanthosquilla multifasciata*, - Heard & Manning, Crustaceana, 59 (1): 106-107.

1991 *Acanthosquilla multifasciata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 183.

Distribution: Red Sea (Obock; Dahlak Archipelago: Goliath Bay, Entedebir); Gulf of Oman; India; Thailand (Phuket); Indonesia (several records in Moosa, 1973); Australia (Dunk Island, Family Group, Queensland; N of Broome, W-Australia; Port Walcott, W-Australia); Taiwan; Japan; New Caledonia (Lagoon); Hawaii.

Depth range: littoral-82m.

Habitat: "in white sand" (Holthuis, 1967: 22); "mangrove flats"; "sand with occasional sponge and corals" (Stephenson, 1962: 34); in Phuket found "only in extremely soft mud in the outflows from mangrove streams" (Dingle, Caldwell & Manning, 1977: 8); "mud, sand, sand and rubble, sand with occasional sponge and corals" (Moosa, 1991: 183).

Colour note: Holthuis (1967: 22), Dingle, Caldwell & Manning (1977: 7-8) and Schmitt (1931: 146).

Size: ♀, 28-70.8mm; ♂, 16-66mm.

Remarks: *Lysiosquilla acanthocarpus* [part]; *Lysiosquilla biminensis pacificus*; *Lysiosquilla Valdivensis*.

Acanthosquilla multispinosa Blumstein, 1974

1974 *Acanthosquilla multispinosa* Blumstein, Crustaceana, 26 (2): 113-114, fig. 1.

1979 *Acanthosquilla multispinosa*, - Makarov, Zool. Zh., 57 (2): 179, pl. 1.

Distribution: Vietnam (Gulf of Tonkin).

Depth range: 29-69m.

Size: 9.5-20.5mm; ♂, 28mm.

Acanthosquilla tigrina (Nobili, 1903)

1913 *Lysiosquilla tigrina*, - Kemp, Mem. Indian Mus., 4 (1): 125-126, pl. VIII, figs. 95-98.

1944 *Lysiosquilla (Lysierichthus) tigrina*, - Alikunhi, Current Sci., 13: 18, fig. 1.

1952 *Lysiosquilla tigrina*, - Alikunhi, Rec. Indian Mus., 49: 292-293, fig. 20 [last pelagic larval stage, identified through metamorphosis in laboratory].

1967 *Acanthosquilla tigrina*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 920-925, figs. 186-188 [last pelagic larval stage, identified through metamorphosis in laboratory].

1967 *Acanthosquilla tigrina*, - Holthuis, Crustaceorum Catalogus, I: 5 [complete references].

1976 *Acanthosquilla tigrina*, - Balasubrahmanyam & Natarajan, Current Sci., 45 (8): 300.

Distribution: Indo-West Pacific. - India; Malaysia; Borneo (Sarawak).

Depth range: shallow water.

Colour note: Kemp (1913: 126).

Size: ♀, 45-60mm; juvenile, 29.7mm.

***Acanthosquilla wilsoni* Moosa, 1973**

- 1973 *Acanthosquilla wilsoni* Moosa, Mar. Res. Indonesia, 13: 15-17, fig. 2.
 1985 *Acanthosquilla wilsoni*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 389, fig. 6.

Distribution: Indonesia (Aru Island); Philippines.
 Depth range: 72-134m.
 Habitat: muddy bottom.
 Colour note: Moosa (1973: 15).
 Size: ♀, 39mm; ♂, 21-23mm.

***Alachosquilla* Schotte & Manning, 1993**

- 1993 *Alachosquilla* Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 572-573 [diagnosis, remarks].

***Alachosquilla digueti* (Coutière, 1905)**

- 1905 *Lysiosquilla Diguetei* Coutière, Bull. Sci. Soc. philom. Paris, (9) 7: 174, figs. 1-7.
 1940 *Lysiosquilla digueti*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 180, 194-197, fig. 22.
 1967 *Acanthosquilla digueti*, - Holthuis, Crustaceorum Catalogus, 1: 4 [complete synonymy].
 1969 *Acanthosquilla digueti*, - Manning, Stud. trop. Oceanogr., Miami, 8: 67, fig. 16.
 1974 *Acanthosquilla digueti*, - Manning, Steenstrupia, 3: 105 [synonymy].
 1980 *Acanthosquilla digueti*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 247, fig. 13.13.
 1989 *Acanthosquilla digueti*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 244, tab. I.
 1993 *Alachosquilla digueti*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 572 [new combination], 573 [remarks].

Distribution: W-Atlantic. - Florida (Miami); Brazil (Sao Paulo). E-Pacific. - Gulf of California; Guatemala; Panamá (Taboga).

Depth range: 0-54m.

Habitat: "sandy bottom, commensal of Balanoglossids" (Holthuis, 1967: 4); "sand beach" (Manning, 1974: 105).

Colour note: Schmitt (1940, 196).

Size: ♀, 20mm; ♂, 23-30mm.

Remarks: The species lives as commensal in the worm tube of *Balanoglossus*, sharing its home with the polychaete *Lepidasthenia digueti* (Brusca, 1980: 247).

***Alachosquilla floridensis* (Manning, 1962)**

- 1962 *Lysiosquilla floridensis* Manning, Proc. biol. Soc. Wash., 75: 221-222.
 1967 *Lysiosquilla floridensis*, - Holthuis, Crustaceorum Catalogus, I: 4

[references].

- 1969 *Acanthosquilla floridensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 67-68, fig. 16.
 1972 *Acanthosquilla floridensis*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1993 *Alachosquilla floridensis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 573-574, fig. 3.

Distribution: southern Florida to Brazil. - Florida (Lake Worth Inlet; Key Biscayne); U.S. Virgin Islands (Virgin Gorda); Tobago (Saint Giles Island, London Bridge Rock); Venezuela (Isla Margarita); Brazil (Bahía; Praia do Araca, São Sebastião).

Depth range: shallow subtidal-28m.

Habitat: coral reefs. - "from rock, rubble, with live and dead coral... and vertical rock wall to ledge... burrows in level bottom substrates, certainly was taken from sand on the ledge rather than on the wall itself" (Schotte & Manning, 1993: 573).

Colour note: Manning (1969: 67, 69), Schotte & Manning (1993: 573).

Size: %, 30-48mm.

Remarks: Manning (1974: 105) Manning synonymized the W-Atlantic *L. floridensis* with the E-Pacific *L. digueti* (Coutière, 1905). Both were up to then assigned to *Acanthosquilla* by Manning (1963). Now Schotte & Manning (1993: 573) suppose, "that they should be recognized as distinct species." In all specimens of *A. floridensis* available for study to the authors, "the median black spot on the telson is distinctly divided into two spots, whereas all specimens of *A. digueti*... have a single black spot on the telson".

***Alachosquilla vicina* (Nobili, 1904)**

- 1904 *Lysiosquilla vicina* Nobili, Bull. Mus. Hist. Nat., Paris, 10: 229.
 1913 *Lysiosquilla vicina*, - Kemp, Mem. Indian Mus., 4 (1): 126.
 1915 *Lysiosquilla vicina*, - Kemp, Philippine J. Sci., D 10: 176-179, pl. 1, figs. 4-8.
 1930 *Lysiosquilla vicina*, - Roxas & Estampador, Nat. appl. Sci. Bull. Manila, 1: 113-114, pl. III, figs. 3-4.
 1963 *Lysiosquilla vicina*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 24, figs. 43-44.
 1967 *Acanthosquilla vicina*, - Holthuis, Isr. J. Zool., 16: 23-25.
 1967 *Acanthosquilla vicina*, - Holthuis, Crustaceorum Catalogus, I: 5 [complete references].
 1993 *Alachosquilla vicina*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 572 [new combination].

Distribution: Red Sea (Eritrea: Abiad Bay, Entedebir Island, Dahlak Archipelago); Gulf of Aden (Obock); Philippines (Mindoro).

Depth range: littoral.

Habitat: "in white sand"; "...collected in the tidal zone of a mud flat formed of fine white coral silt, in which also

the Enteropneust *Ptychodera flava* Esch. occurs" (Holthuis, 1967: 23, 25).

Colour note: Holthuis (1967: 25).

Size: ♀, 15-27mm; ♂, 16mm.

Remarks: "Possibly commensal of Balanoglossids" (Holthuis, 1967: 5).

***Allosquilla* Manning, 1977**

1977 *Allosquilla* Manning, Atlantide Rep., 12: 64-65 [diagnosis, remarks].

***Allosquilla africana* (Manning, 1970)**

1970 *Heterosquilla* (*Heterosquilloides*) *africana* Manning, Stud. trop. Oceanogr., 4 (2): 261-262, fig. 1.

1977 *Allosquilla africana*, - Manning, Atlantide Rep., 12: 65-67, figs. 16, 54.

1979 *Allosquilla adriatica* Manning & Froggia, Quad. Laboratory Tec. Pesca, 2 (4): 178-181, fig. 1.

1986 *Allosquilla adriatica*, - Froggia & Manning, Proc. biol. Soc. Wash., 99 (2): 261-264, fig. 3a.

1986 *Allosquilla africana*, - Froggia & Manning, Proc. biol. Soc. Wash., 99 (2): 261-264, fig. 3b.

1989 *Allosquilla africana*, - Froggia & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 268 [key], 271, fig. 2a-e.

1994 *Allosquilla africana*, - Dounas & Steudel, Crustaceana, 66 (2): 253.

Distribution: E-Atlantic and Mediterranean Sea. - Central Adriatic Sea (W of Pomo island); Greece (Island of Crete); off Niger delta, Gulf of Guinea. Central Adriatic Sea.

Depth range: 130-222m.

Habitat: clayey silt.

Colour note: Manning (1977: 67).

Size: ♂, 39-67mm.

***Austrosquilla* Manning, 1966**

1966 *Austrosquilla* Manning, Rec. Austr. Mus., 27: 127 [diagnosis, remarks].

1967 *Austrosquilla*, - Holthuis, Crustaceorum Catalogus, I: 6 [references].

1968 *Austrosquilla*, - Manning, Bull. mar. Sci., 18 (1): 111 [remarks].

1972 *Austrosquilla*, - Michel & Manning, Am. Mus. Novits., 2484: 239 [key to species].

***Austrosquilla osculans* (Hale, 1924)**

1924 *Lysiosquilla vercoi* var. *osculans* Hale, Rec. S. Austr. Mus., 2: 501-502, fig. 384, pl. XXXIII, fig. 3.

1927 *Lysiosquilla osculans*, - in: Handbook of the flora and fauna of South Australia, I: 34, fig. 25.

1955 *Lysiosquilla osculans*, - Stephenson, Mem. Nat. Mus., Melbourne, 19: 3.

1955 *Lysiosquilla osculans*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 247.

- 1962 *Lysiosquilla osculans*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.
 1963 *Heterosquilla osculans*, - Manning, Bull. mar. Sci., 13: 6.
 1963 *Lysiosquilla osculans*, - Manning, Bull. mar. Sci., 13: 321.
 1966 *Austrosquilla osculans*, - Manning, Rec. Austr. Mus., 27: 127-130, fig. 9.
 1967 *Austrosquilla osculans*, - Holthuis, Crustaceorum Catalogus, I: 6 [complete synonymy].

Distribution: Australia (Cottesloe, W-Australia; Victoria; S-Australia).

Colour note: Manning (1966: 129).

Size: ♀, 41-42.7mm; ♂, 29mm.

Remarks: In W-Australia, it was found in the gullet of a flounder (Stephenson, 1962: 34).

***Austrosquilla vercoi* (Hale, 1924)**

- 1924 *Lysiosquilla vercoi* Hale, Rec. S. Austr. Mus., 2 (4): 499-501, fig. 383, pl. XXXII, fig. 2.
 1927 *Lysiosquilla vercoi*, - Hale, in: Handbook of the flora and fauna of South Australia, I: 33, fig. 34.
 1953 *Lysiosquilla vercoi*, - Stephenson, Mem. Qd. Mus., 13: 46.
 1955 *Lysiosquilla vercoi*, - Stephenson, Mem. Nat. Mus., Melbourne, 19: 46.
 1955 *Lysiosquilla vercoi*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 247.
 1963 *Heterosquilla vercoi*, - Manning, Bull. mar. Sci., 13: 321.
 1963 *Lysiosquilla vercoi*, - Manning, Bull. mar. Sci., 13: 321.
 1966 *Heterosquilla (Austrosquilla) vercoi*, - Manning, Rec. Austr. Mus., 27 (4): 130-132, fig. 10.
 1967 *Austrosquilla vercoi*, - Holthuis, Crustaceorum Catalogus, I: 6 [complete references].
 1991 *Austrosquilla vercoi*, - Manning, Smiths. Contr. Zool., 521: 7-8, fig. 7.

Distribution: Australia (Great Australian Bight); Tasmania.

Depth range: shallow subtidal-?875m.

Habitat: sand; clay; "from sand on ocean beach" (Manning, 1966: 130); is a burrower in sand beaches (Holthuis, 1967: 6).

Colour note: Manning (1966: 132).

Size: ♀, 22-52mm; ♂, 42.5-49mm.

***Bigelowina* Schotte & Manning, 1993**

- 1993 *Bigelowina* Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 574 [diagnosis, remarks, distinguishing features to *Acanthosquilla* and *Alachosquilla*].

***Bigelowina biminensis* (Bigelow, 1893)**

- 1893 *Lysiosquilla biminensis* Bigelow, John Hopkins Univ. Circ., 12 (106): 102.
 1894 *Lysiosquilla biminensis*, - Bigelow, Proc. U.S. natn. Mus., 17: 504-507, figs. 4-7.
 1946 *Lysiosquilla* sp., - Gurney, Proc. Zool. Soc. Lond., 116: 149-150, fig. 10 [last pelagic larval stage and postlarva, identified through metamorphosis]

in laboratory, probably *B. biminensis*]

- 1967 *Acanthosquilla biminensis*, - Holthuis, Crustaceorum Catalogus, I: 3-4 [complete synonymy].
- 1969 *Acanthosquilla biminensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 63-66, figs. 14-15 [references].
- 1973 *Acanthosquilla biminensis*, - Camp, Mem. Hourglass Cruises, 3 (2): 11-17, fig. 3, tab. 3; 15-17 [discussion of postlarvae].
- 1974 *Acanthosquilla biminensis*, - Manning, Steenstrupia, 3: 104-105.
- 1980 *Acanthosquilla biminensis*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 11.
- 1990 *Acanthosquilla biminensis*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 106, fig. 3a-c.
- 1993 *Bigelowina biminensis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 574-575, fig. 4.

Distribution: E.-Pacific. - Costa Rica (nearshore islands: Isla del Caño; Isla Tobago; Isla Taboguilla), Panamá (Taboguilla). W-Atlantic. - Bahamas (Bimini); Texas; Cuba; Tobago (Bloody Bay); Colombia (Bahía de Santa Marta; Cabo de la Vela, Guajira); Brazil (Ilha São Sebastião, São Paulo).

Depth range: shallow subtidal-46m.

Habitat: "sand, rocks, coral rubble" (Reake & Manning, 1980: 11); "on sand bottom with some rocks between beach" (Schotte & Manning, 1993: 575).

Colour note: Manning (1969: 66), Camp (1973), Reaka & Manning (1980: 11) and Schotte & Manning (1993: 575).

Size: ♀, 16-62mm; ♂, 21-50mm.

***Bigelowina septemspinosa* (Miers, 1881)**

- 1881 *Lysiosquilla (Coronis) acanthocarpus* var. *septemspinosa* Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 368, pl. 16, fig. 7.
- 1894 *Lysiosquilla acanthocarpus* var. *septemspinosa*, - Bigelow, Proc. U.S. natn. Mus., 17: 503 [key].
- 1913 *Lysiosquilla acanthocarpus* var. *septemspinosa*, - Kemp, Mem. Indian Mus., 4: 122 [text].
- 1913 *Lysiosquilla septemspinosa*, - Kemp, Mem. Indian Mus., 4: 204 [list].
- 1916 *Lysiosquilla septemspinosa*, - Balss, in: Michaelsen, W., Beiträge zue Kenntnis der Meeresfauna Westafrikas, 2: 51 [list].
- 1925 *Lysiosquilla septemspinosa*, - Monod, Bull. Soc. Sci. nat. Maroc, 5 (3): 91 [key], 92 [list].
- 1951 *Lysiosquilla septemspinosa*, - Dartevelle, Bull. Séanc. Inst. r. colon belge, 22 (4): 1034 [text].
- 1951 *Lysiosquilla septemspinosa* var., - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 140, figs. 4-5.
- 1957 *Lyosquilla septemspinosa*, - Longhurst, J. Anim. Ecol., 26: 373, 375, 378 [list].
- 1958 *Lysiosquilla septemspinosa*, - Longhurst, Fish. Publ. colon. Off., 11: 42, 86.
- 1967 *Acanthosquilla septemspinosa*, - Holthuis, Crustaceorum Catalogus, I: 5 [complete synonymy].
- 1970 *Acanthosquilla septemspinosa*, - Manning, Stud. trop. Oceanogr., 4 (2): 260.
- 1977 *Acanthosquilla septemspinosa*, - Manning, Atlantide Rep., 12: 60-64, figs. 14-15, 54 [complete synonymy].
- 1993 *Bigelowina septemspinosa*, - Schotte & Manning, Proc. biol. Soc. Wash., 106

(3): 574 [new combination].

Distribution: E-Atlantic. - from scattered W-African localities between Mauritania and Congo: Mauritania (Port Etienne); Senegal (Dakar; Joal; Gorée Island, Dakar); Sierra Leone (Sierra Leone River); Liberia (Monrovia; Port Marshall); Ivory Coast (Grand Bassam); Ghana (Labadi, Accra); Nigeria (Lagos harbour); Congo (Pointe-Noire).

Depth range: shallow subtidal-63m.

Habitat: was taken on beaches and among mangroves; in offshore habitats from "slightly muddy fine sand"; also found "on muddy sand in estuaries and offshore on sand and shelly sand in 8-63m in both *Venus* and *Venus-Amphioplus* transitional communities" (Manning, 1977: 60).

Colour note: Manning (1977: 62).

Size: ♀, 31-55mm; ♂, 12-42mm; juvs., 11-12mm.

Remarks: was found in the stomach of some fishes in the Sierra Leone River. - *Trygon margarita*, *Pomadasys jubelini*, and *Drepane punctata*.

***Coronis* Desmarest, 1823**

- 1963 *Coronis*, - Manning, Bull. mar. Sci., 13 (2): 318 [diagnosis, remarks].
 1967 *Coronis*, - Holthuis, Crustaceorum Catalogus, I: 9 [references, remarks].
 1969 *Coronis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 83-84 [references, diagnosis, remarks].

***Coronis scolopendra* Latreille, 1828**

- 1886 *Lysiosquilla excavatrix* Brooks, Sci. Rep. Challenger Exped., (Zool.), 16: 48-53, pl. 10, figs. 8-16.
 1955 *Lysiosquilla excavatrix*, - Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 39-41, figs. 27-29, pl. 18, fig. 55 [non *L. excavatrix* Brooks, 1886].
 1967 *Coronis excavatrix*, - Holthuis, Crustaceorum Catalogus, I: 9 [complete synonymy].
 1967 *Coronis scolopendra*, - Holthuis, Crustaceorum Catalogus, I: 9-10 [complete synonymy].
 1969 *Coronis excavatrix*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 84-88, figs. 22-23 [references].
 1969 *Coronis scolopendra*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 88-90, fig. 24.
 1989 *Coronis scolopendra*, - Manning & Reaka, Collana UZI (Unione Zool. Ital.), Sel. Symp. Monogr., 3: 213-219, figs. 2-4 [synonymy, behaviour, observations on breeding cycle].
 1992 *Coronis scolopendra*, - Rodrigues & Manning, J. Crust. Biol., 12 (1): 79-81, fig. 1 [description of first stage larva].

Distribution: temperate and subtropical W-Atlantic. - North Carolina; Mississippi; Louisiana; Brazil (São Sebastião).

Depth range: littoral.

Habitat: sand bottoms.

Colour note: Manning (1969: 86, after Brooks).

Size: ♀, 37.5-70mm; ♂, 29-75mm.

Additional synonymy: *Lysiosquilla scolopendra*.

***Hadrosquilla* Manning, 1966**

1966 *Hadrosquilla* Manning, Rec. Austr. Mus., 27: 115 [diagnosis, remarks].

1967 *Hadrosquilla*, - Holthuis, Crustaceorum Catalogus, I: 10 [references].

1968 *Hadrosquilla*, - Manning, Bull. mar. Sci., 18 (1): 111 [remarks].

***Hadrosquilla melanocauda* Kunze, 1981**

1990 *Hadrosquilla melanocauda* Kunze, Crustaceana, 40 (1): 1-4, fig. 1.

Distribution: Australia (New South Wales: Botany Bay).

Habitat: muddy bottom, found in gut of the flounder, *Pseudorhombus arsius*.

Colour note: Kunze (1981: 3).

Size: ♂, 47.2mm.

***Hadrosquilla perpasta* Hale, 1924**

1924 *Lysiosquilla perpasta* Hale, Rec. S. Austr. Mus., 2 (4): 497-4999, fig. 382, pl. XXXIII, fig. 1.

1927 *Lysiosquilla perpasta*, - Hale, in: Handbook of the flora and fauna of South Australia, I: 33, fig. 23.

1952 *Lysiosquilla perpasta*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 9-10.

1953 *Lysiosquilla perpasta*, - Stephenson, Mem. Qd. Mus., 13 (1): 45.

1955 *Lysiosquilla perpasta*, - Stephenson, Mem. Natn. Mus. Melbourne, 19: 2.

1955 *Lysiosquilla perpasta*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 245.

1966 *Hadrosquilla perpasta*, - Manning, Rec. Austr. Mus., 27: 115-118, fig. 7.

1967 *Hadrosquilla perpasta*, - Holthuis, Crustaceorum Catalogus, I: 10 [complete references].

Distribution: Australia (Queensland; New South Wales; Victoria; South Australia).

Depth range: intertidal-10m.

Habitat: "Burrowing in sand in shallow water" (Manning, 1967: 10); "builds burrows amongst colonies of *Diopatra dentata* K." (Manning, 1966: 116).

Colour note: Manning (1966: 118).

Size: ♀, 15-45mm; ♂, 21-57mm.

***Keppelius* Manning, 1978**

1978 *Keppelius* Manning, Smiths. Contr. Zool., 264: 9-10 [diagnosis, remarks].

***Keppelius hystriotelson* (Barnard, 1958)**

- 1958 *Lysiosquilla hystricotelson* Barnard, Mem. Mus. Alvaro de Castro, 4: 20-22, fig. 7.
- 1967 *Nannosquilla hystricotelson*, - Holthuis, Crustaceorum Catalogus, I: 25 [references].
- 1967 *Nannosquilla hystricotelson*, - Holthuis, Isr. J. Zool., 16: 25.
- 1978 *Keppelius hystricotelson*, - Manning, Smiths. Contr. Zool., 264: 10, fig. 5.
- 1986 *Keppelius hystricotelson*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 12-13.
- 1992 *Nannosquilla hystricotelson*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Red Sea (Gulf of Aqaba; Sheich Said Island, near Massawa); Ethiopia (Massawa); Kenya (Mombasa); Mozambique (Delagoa Bay); Madagascar (near Songoritelo Reef; Nosy Bé).

Depth range: 0-0.5m.

Habitat: "from dead corals" (Holthuis, 1967: 25); "sandy reef flat with algae" (Manning & Lewinsohn, 1986: 12); exposed coral reefs; seagrass.

Size: ♀, 18-25mm; ♂, 20-24mm.

***Mexisquilla* Manning & Camp, 1981**

- 1981 *Mexisquilla* Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 595-596 [diagnosis, remarks].

***Mexisquilla horologii* (Camp, 1971)**

- 1935 *Lysiosquilla excavatrix*, - Lunz, J. Elisha Mitchell Sci. Soc., 51 (1): 153 [part, not *L. excavatrix* Brooks, 1886].
- 1954 *Lysiosquilla excavatrix*, - Chace, U.S. Fish Wildl. Serv., Fish. Bull., 55 (89): 449 [part, list, not *L. excavatrix* Brooks, 1886].
- 1971 *Platysquilla horologii* Camp, Proc. biol. Soc. Wash., 84 (15): 122-126, fig. 1.
- 1973 *Platysquilla horologii*, - Camp, Mem. Hourglass Cruises, 3 (2): 18, fig. 5.
- 1981 *Mexisquilla horologii*, - Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 595-596, fig. 3.
- 1993 *Mexisquilla horologii*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: eastern Gulf of Mexico; Florida (of Egmont Key, Pinellas County; off Charlotte Harbour, Charlotte County).

Depth range: 51.2-73.2m.

Colour: from largely faded preserved material. - Camp (1971: 124).

Size: ♀, 13.1mm; ♂, 16.2mm.

***Nannosquilla* Manning, 1963**

- 1963 *Nannosquilla* Manning, Bull. mar. Sci., 13 (2): 318-319 [diagnosis, remarks, checklist of species].
- 1967 *Nannosquilla*, - Holthuis, Crustaceorum Catalogus, I: 24.
- 1969 *Nannosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ.

- Miami: 69-71 [diagnosis, remarks, key to American species].
- 1972 *Nannosquilla*, - Manning, Proc. biol. Soc. Wash., 85 (21): 276-277 [key to E-Pacific species].
- 1979 *Nannosquilla*, - Manning, Proc. biol. Soc. Wash., 92 (2): 382 [notes on egg-laying habitat of certain species].
- 1982 *Nannosquilla*, - Camp & Manning, Smiths. Contr. Zool., 368: 1-3 [remarks].
- 1986 *Nannosquilla*, - Camp & Manning, Smiths. Contr. Zool., 444: 1-2 [remarks], 2 [discussion of the *Lysiosquilla varicosa*-problem, resulting in the statement, to consider it a species inquirendum], 3-4 [diagnosis, remarks], 14 [discussion], 15-16 [key to adults from the W-Atlantic].

Remarks: Certain species of this genus "attach free eggs (approximately 0.8mm in diameter) to the mucoid and sand lining of the burrow" (Reaka & Manning, 1980: 14).

***Nannosquilla adkinsoni* Camp & Manning, 1982**

- 1982 *Nannosquilla adkinsoni* Camp & Manning, Smiths. Contr. Zool., 368: 4-5, fig. 4.
- 1986 *Nannosquilla adkinsoni*, - Camp & Manning, Smiths. Contr. Zool., 444: 4.
- 1993 *Nannosquilla adkinsoni*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: eastern Gulf of Mexico, off Florida.
 Depth range: 35-42m.
 Habitat: "sand-shell over limestone with sponge, coral, algae cover" (Camp & Manning, 1986: 4).
 Colour note: Camp & Manning (1982: 5).
 Size: ♂, 18mm.

***Nannosquilla anomala* Manning, 1967**

- 1967 *Nannosquilla anomala* Manning, Proc. biol. Soc. Wash., 80: 147-150, figs. 1-4.
- 1967 *Nannosquilla anomala*, - Holthuis, Crustaceorum Catalogus, I: 24.

Distribution: NE-Pacific. - California (Northwest Harbor, San Clemente Island).
 Depth range: 5m.
 Habitat: sand; was found in vertical burrows adjacent to kelp beds (Manning, 1967: 149).
 Colour note: Manning (1967: 149).
 Size: ♀, 36.4mm; ♂, 34-41.2mm.

***Nannosquilla antillensis* (Manning, 1961)**

- 1961 *Lysiosquilla antillensis* Manning, Allan Hancock Atl. Exped., 9: 35, pl. 9 [part, holotype only].
- 1967 *Nannosquilla antillensis*, - Holthuis, Crustaceorum Catalogus, I: 24 [references].
- 1969 *Nannosquilla antillensis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 72-74, fig. 17.

1986 *Nannosquilla antillensis*, - Camp & Manning, *Smiths. Contr. Zool.*, 444: 4-6, fig. 2.

Distribution: tropical W-Atlantic. - Yucatan; Virgin Islands; off Cubagua Island, Venezuela.

Depth range: 4-9m.

Habitat: coral reefs.

Colour note: Manning (1969: 73).

Size: ♂, 24.5mm.

***Nannosquilla baliops* Camp & Manning, 1982**

1982 *Nannosquilla baliops* Camp & Manning, *Smiths. Contr. Zool.*, 368: 6-7, figs. 3a-b, 5.

1993 *Nannosquilla baliops*, - Schotte & Manning, *Proc. biol. Soc. Wash.*, 106 (3): 567 [list].

Distribution: Florida (off Hutchinson Island, St. Lucie County).

Depth range: 11.2m.

Habitat: coarse shells, sand and silt-clay.

Size: ♂, 23mm.

***Nannosquilla californiensis* (Manning, 1961)**

1940 *Lysiosquilla digueti*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 194 [part, not fig. 22; non *Lysiosquilla digueti* Coutière, 1905].

1961 *Lysiosquilla californiensis* Manning, *Proc. biol. Soc. Wash.*, 74: 33-35, figs. 4-6.

1967 *Nannosquilla californiensis*, - Holthuis, *Crustaceorum Catalogus*, I: 24 [references].

1980 *Nannosquilla californiensis*, - Brusca, *Stomatopoda*, in: *Common intertidal invertebrates of the Gulf of California*; 2nd ed., Univ. Arizona Press: 246.

1980 *Nannosquilla californiensis*, - Reaka & Manning, *Smiths. Contr. mar. Sci.*, 7: 12.

1989 *Nannosquilla californiensis*, - Hendrickx & Salgado-Barragan, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 242, 243, 245, tab. I.

Distribution: E-Pacific. - Mexico (Gulf of California: Puerto Escondido, Baja California); Costa Rica (Isla del Caño); mainland and nearshore islands.

Depth range: 9-48m.

Habitat: sand and coral rubble.

Colour note: Manning (1961: 34-35).

Size: ♀, 17-23mm; ♂, 17.5-20.5mm.

Nannosquilla candidensis

Hernández Aguilera & Hermoso Salazar, 1988

1988 *Nannosquilla candidensis* Hernández Aguilera & Hermoso Salazar, *Invest. Océanogr.*, ser. B, 4 (2): 1-13. [not seen]

1993 *Nannosquilla candidensis*, - Schotte & Manning, *Proc. biol. Soc. Wash.*, 106

(3): 567 [list].

Distribution: Mexico-Atlantic.

***Nannosquilla canica* Manning & Reaka, 1979**

- 1940 *Lysiosquilla decemspinosa*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 189-190, fig. 20c [part, not fig. 20a, b; non *Lysiosquilla decemspinosa* Rathbun, 1910].
- 1961 *Lysiosquilla decemspinosa*, - Manning, Proc. biol. Soc. Wash., 74: 30 [part; non *Lysiosquilla decemspinosa* Rathbun, 1910].
- 1979 *Nannosquilla canica* Manning & Reaka, Proc. biol. Soc. Wash., 92 (3): 637-639, fig. 3.
- 1980 *Nannosquilla canica*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 12.
- 1989 *Nannosquilla canica*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 244, tab. I.

Distribution: E-Pacific. - Gulf of California; Costa Rica (Playa Blanca; Isla del Caño).

Depth range: 9-27m.

Habitat: "sand around base of pinnacle" (Manning & Reaka, 1980: 12).

Size: ♀, 18mm; ♂, 15-16.5mm.

***Nannosquilla carolinensis* Manning, 1970**

- 1970 *Nannosquilla carolinensis* Manning, Proc. biol. Soc. Wash., 83 (8): 99-101, fig. 1.
- 1986 *Nannosquilla carolinensis*, - Camp & Manning, Smiths. Contr. Zool., 444: 6.
- 1993 *Nannosquilla carolinensis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: off North and South Carolina.

Depth range: 34-100m.

Colour note: Manning (1970: 101).

Size: ♀, 18mm; ♂, 18mm; juvenile ♂, 10mm.

***Nannosquilla chilensis* (Dahl, 1954)**

- 1954 *Lysiosquilla chilensis* Dahl, Lundss Univ. Arsskr., (n. ser.) 2 (49) (17): 7-10, fig.
- 1967 *Lysiosquilla chilensis*, - Holthuis, Crustaceorum Catalogus, I: 24 [references].

Distribution: SE-Pacific. - Chile.

Depth range: littoral.

Habitat: was found burrowing in sandy beach.

Size: ♀, 28mm.

***Nannosquilla dacostai* Manning, 1970**

- 1970 *Nannosquilla dacostai* Manning, Proc. biol. Soc. Wash., 83 (8): 101-102, fig. 2.
 1993 *Nannosquilla dacostai*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Brazil.
 Depth range: 23m.
 Colour note:
 Size: ♂, 19mm.

***Nannosquilla decemspinosa* (Rathbun, 1910)**

- 1910 *Lysiosquilla decemspinosa* Rathbun, Proc. U.S. natn. Mus., 38: 566, 608, pl. 53, fig. 3.
 1961 *Lysiosquilla decemspinosa*, - Manning, Proc. biol. Soc. Wash., 74: 30, figs. 1-3 [part, see *N. canica*].
 1967 *Nannosquilla decemspinosa*, - Holthuis, Crustaceorum Catalogus, I: 24 [references].
 1974 *Nannosquilla decemspinosa*, - Manning, Steenstrupia, 3: 106-107.
 1979 *Nannosquilla decemspinosa*, - Caldwell, Nature, London, 282 (5734): 71-73, figs. 1-2 [locomotion, habitat].

Distribution: E-Pacific. - off Costa Rica; Panamá (Taboguilla; Taboga); Colombia (Bahia Utria); Peru.
 Depth range: 0-9m.
 Habitat: "in vertical holes in the muddy sand" ((Holthuis, 1967: 24); "sand beach"; "in tunnels in mud" (Manning, 1974: 106). For detailed information see Caldwell (1979).
 Size: ♀, 16-20mm; ♂, 21-23mm.

***Nannosquilla disca* Camp & Manning, 1986**

- 1986 *Nannosquilla disca* Camp & Manning, Smiths. Contr. Zool., 444: 6-8, fig. 3.
 1993 *Nannosquilla disca*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: eastern Gulf of Mexico, off Florida.
 Depth range: 52m.
 Size: ♂, 18mm.

***Nannosquilla galapagensis* Manning, 1972**

- 1972 *Nannosquilla galapagensis* Manning, Proc. biol. Soc. Wash., 85 (21): 273-275, fig. 2.

Distribution: E-Pacific. - Galapagos Archipelago (Black Beach Anchorage, Charles Island).
 Depth range: 28m.
 Size: ♂, 21-23mm.

***Nannosquilla grayi* (Chace, 1958)**

- 1958 *Lysiosquilla grayi* Chace, Biol. Bull., Woods Hole, 114 (2): 141, pl. 1, figs. 1-5.
 1967 *Nannosquilla grayi*, - Holthuis, Crustaceorum Catalogus, I: 25 [references].
 1969 *Nannosquilla grayi*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 78-81, fig. 20.
 1974 *Nannosquilla grayi*, - Manning, NOAA Tech. Rep. NMFS Circ-387: 3 [illustrated key], 4-5, fig. 10.

Distribution: NW-Atlantic. - off Massachusetts (common in Bass River, Yarmouth; Georgia).

Depth range: sublittoral-15m.

Habitat: was found "burrowing in muddy sand near low water mark" (Manning, 1969: 78).

Colour note: Chace (1958: 142) and Manning (1969: 79; 1974: 5) gave a habitus figure, showing the arrangement of the numerous small chromatophores.

Size: adults ♀, 22-40mm; ♂, 21-42mm.

Remarks: has been found in association with *Arenicola cristata*.

Nannosquilla hancocki (Manning, 1961)

- 1961 *Lysiosquilla hancocki* Manning, Allan Hancock Atl. Exped., 9: 32-35, pl. 8, figs. 1-4.
 1967 *Nannosquilla hancocki*, - Holthuis, Crustaceorum Catalogus, I: 25 [references].
 1969 *Nannosquilla hancocki*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 76-77, fig. 19.
 1986 *Nannosquilla hancocki*, - Camp & Manning, Smiths. Contr. Zool., 444: 8-9, figs. 4-5.

Distribution: southeastern Caribbean Sea. - Venezuela (off Cubagua Island, off Margarita Island).

Depth range: 4-40m.

Colour note: Manning (1969: 77).

Size: ♀, 16.1-18.3mm; ♂, 15.3-21mm.

Nannosquilla heardi Camp & Manning, 1982

- 1982 *Nannosquilla heardi* Camp & Manning, Smiths. Contr. Zool., 368: 7-9, fig. 6.
 1993 *Nannosquilla heardi*, - Schotte & Manning, Proc. Biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Gulf of Mexico (W of Sanibel Island Light, Lee County, Florida).

Depth range: 39m.

Habitat: "dark gray, medium sand with about 15 percent silt-clay particles" (Camp & Manning, 1982: 9).

Colour note: Camp & Manning (1982: 9).

Size: ♀, 18mm.

Nannosquilla schmitti (Manning, 1962)

- 1962 *Lysiosquilla schmitti* Manning, Proc. biol. Soc. Wash., 7: 221.
 1967 *Nannosquilla schmitti*, - Holthuis, Crustaceorum Catalogus, I: 25
 [references].
 1969 *Nannosquilla schmitti*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci.,
 Univ. Miami: 74-76, fig. 18.

Distribution: Tropical W-Atlantic. - Florida (Key Largo;
 Long Key, Tortugas); Barbuda (off Cocoa Point).

Depth range: littoral-8m.

Habitat: burrows in sand; "in *Porites* flat" (Manning,
 1969: 74).

Size: ♀, 20-25mm; ♂, 13-25mm.

Nannosquilla similis Manning, 1972

- 1972 *Nannosquilla similis* Manning, Proc. biol. Soc. Wash., 85 (21): 275-276, fig.
 3.

Distribution: E-Pacific. - Galapagos Archipelago (northern
 end of Albemarle Island).

Depth range: 11-13m.

Size: ♂, 25mm.

Remarks: was found in the stomach of sand bass.

Nannosquilla taguensis Camp & Manning, 1982

- 1982 *Nannosquilla taguensis* Camp & Manning, Smiths. Contr. Zool., 368: 9-11, fig.
 7.
 1993 *Nannosquilla taguensis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106
 (3): 567 [list].

Distribution: Caribbean Sea (U.S. Virgin Islands. - St.
 Croix: lagoon of Tague Bay).

Depth range: 6-7m.

Habitat: 50m away from backreef "in vertical burrow on
 side of *Calianassa* mound in fine coralline sand" (Camp &
 Manning, 1982: 9).

Colour note: Camp & Manning (1982: 11).

Size: ♂, 16-17mm.

Nannosquilla taylori Manning, 1969

- 1969 *Nannosquilla taylori* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci.,
 Univ. Miami: 81-83, fig. 21.

Distribution: tropical W-Atlantic. - Florida (Egmont Key).

Depth range: 1.8m.

Habitat: "on fine shell and sand bottom" (Manning, 1969:
 81).

Colour note: Manning (1969: 81).

Size: ♂, 28.3mm.

Nannosquilla tobagoensis Schotte & Manning, 1993

1993 *Nannosquilla tobagoensis* Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 575-577, fig. 5.

Distribution: Tobago (Buccoo Reef).

Depth range: 14m.

Habitat: "on sloping fore reef" (Schotte & Manning, 1993: 577).

Colour note: Schotte & Manning (1993: 577).

Size: ♀, 20mm.

Nannosquilla vasquezi Manning, 1979

1979 *Nannosquilla vasquezi* Manning, Proc. biol. Soc. Wash., 92 (2): 380-382, fig. 1.

1993 *Nannosquilla vasquezi*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: southwestern Caribbean Sea (Panamá. - near Punta Galeta laboratory).

Depth range: shallow subtidal.

Habitat: "in *Halodule wrightii* bed often exposed at low tide" (Manning, 1979: 380).

Colour note: Manning (1979: 381).

Size: ♀, 17.5-20mm; ♂, 20-23.5mm

Nannosquilla virginalis Camp & Manning, 1986

1986 *Nannosquilla virginalis* Camp & Manning, Smiths. Contr. Zool., 444: 9-12, figs. 6-7.

1993 *Nannosquilla virginalis*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Caribbean Sea (U.S. Virgin Islands. - St. John, Lameshur Bay).

Depth range: 9m.

Colour note: Camp & Manning (1986: 11).

Size: ♀♂, 17.6-20.8mm.

Additional synonymy: *Lysiosquilla antillensis* Manning (1961: 35-36, 39; part, paratypes only); *Nannosquilla antillensis* Manning (1969: 72-74; part, paratypes only).

Nannosquilla whitingi Camp & Manning, 1982

1982 *Nannosquilla whitingi* Camp & Manning, Smiths. Contr. Zool., 368: 11-14, figs. 3e, f, 8-9.

1993 *Nannosquilla whitingi*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Florida (off Hutchinson Island, St. Lucie County).

Depth range: 7.6-11.3m.

Size: ♂, 24-30mm.

***Nannosquilla yucatanica* Camp & Manning, 1986**

1986 *Nannosquilla yucatanica* Camp & Manning, *Smiths. Contr. Zool.*, 444: 12-14, fig. 8.

1993 *Nannosquilla yucatanica*, - Schotte & Manning, *Proc. biol. Soc. Wash.*, 106 (3): 567 [list].

Distribution: Mexico-Atlantic (Cayo Norte, Banco Chinchorro, Yucatan).

Depth range: 5-6m.

Habitat: coral reefs.

Size: ♂, 14mm.

***Nannosquilloides* Manning, 1977**

1977 *Nannosquilloides* Manning, *Atlantide Rep.*, 12: 89-91 [diagnosis, remarks].

***Nannosquilloides occultus* (Giesbrecht, 1910)**

1910 *Lysiosquilla occulta* Giesbrecht, *Fauna Flora Golf. Neapel*, 33: 45, 52, 58-75, 125, 127, 131, pl. 6, figs. 1-3, 14, 17-20, 22-29, 33-35, 38-39, pl. 7, pl. 8, figs. 1-39.

1967 *Nannosquilla occulta*, - Holthuis, *Crustaceorum Catalogus*, 1: 25 [complete references].

1977 *Nannosquilloides occulta*, - Manning, *Atlantide Rep.*, 12: 91-93, figs. 27, 54.

1979 *Nannosquilloides occulta*, - Manning & Froggia, *Quad. Laboratory Tec. Pesca*, 2 (4): 181-183, fig. 2 [synonymy; compilation of Adriatic records].

1980 *Nannosquilloides occulta*, - Lewinsohn & Manning, *Smiths. Contr. Zool.*, 305: 6-7, fig. 3.

1981 *Nannosquilloides occultus*, - Kocatas, *Crustaceana*, 40 (2): 213.

1989 *Nannosquilloides occultus*, - Froggia & Manning, *Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr.*, 3: 268 [key], 271, fig. 2f-j.

1991 *Nannosquilloides occultus*, - Manning, *Smiths. Contr. Zool.*, 521: 8.

1994 *Nannosquilloides occultus*, - Dounas & Steudel, *Crustaceana*, 66 (2): 253.

Distribution: NE-Atlantic and Mediterranean Sea. - off W-Africa, Senegal to Angola; off Congo River; off Sierra Leone; Angola (Loanda-Lobito); Italy (off Naples); Yugoslavia; Adriatic Sea; Greece (Island of Crete); Turkey; Israel.

Depth range: 10-200m.

Habitat: muddy and sandy bottoms; silty sand; muddy substrate among *Posidonia* beds.

Colour note: Lewinsohn & Manning (1980: 7).

Size: ♀, 15.5-48mm; ♂, 15-23mm.

Remarks: in Senegal found in stomach of fish *Trygon*

marmorata.

***Platysquilla* Manning, 1967**

- 1967 *Platysquilla* Manning, Crustaceana, 13 (2): 238 [diagnosis, remarks].
 1969 *Platysquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 90-91 [diagnosis, remarks].
 1968 *Platysquilla*, - Manning, Bull. mar. Sci., 18 (1): 111-113 [diagnosis, remarks].
 1977 *Platysquilla*, - Manning, Atlantide Rep., 12: 93 [remarks, references].
 1980 *Platysquilla*, - Manning, Proc. biol. Soc. Wash., 93 (2): 368 [part.].
 1981 *Platysquilla*, - Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 591-593 [diagnosis, remarks].

***Platysquilla eusebia* (Risso, 1816)**

- 1910 *Lysiosquilla eusebia*, - Giesbrecht, Fauna Flora Golf. Neapel, 33: 5, 40, 45, 222; 125, 127, 131 [juvs.]; 52, 76-80 [larvae], pl. 1, figs. 4, 10 [colour], pl. 5, figs. 1-42, pl. 6, figs. 4-13, 15-16, 21, 30-32, 36-37, 40-42 [juvs.], pl. 8, figs. 40-90 [larvae].
 1966 *Heterosquilla eusebia*, - van der Baan & Holthuis, Netherl. J. Sea Res., 3 (1): 8-10, tab. III [occurrence of larvae in North Sea].
 1966 *Heterosquilla eusebia*, - Verwey, Netherl. J. Sea Res., 3 (1): 16-19, , tab. II [occurrence of larvae in southern North Sea].
 1967 *Platysquilla eusebia*, - Holthuis, Crustaceorum Catalogus, 1: 94 [complete synonymy].
 1969 *Heterosquilla eusebia*, - van der Baan & Holthuis, Netherl. J. Sea Res., 4 (3): 350-352 [occurrence of larvae in North Sea].
 1970 *Platysquilla eusebia*, - O'Ceidigh, Crustaceana, 19 (2): 205-206.
 1975 *Platysquilla eusebia*, - de Bhaldraithe, Crustaceana, 29 (3): 295-296 [occurrence of larvae off Ireland].
 1977 *Platysquilla eusebia*, - Manning, Atlantide Rep., 12: 93-94, figs. 28, 54.
 1981 *Platysquilla eusebia*, - Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 592-593, fig. 1.
 1984 *Platysquilla eusebia*, - Mauchline, Synopses Br. Fauna (N.S.), 30: 63 [key], 66-67, figs. 23-24.
 1985 *Platysquilla eusebia*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 161-162, fig. 4.
 1989 *Platysquilla eusebia*, - Froggia & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 269 [key], 271, fig. 2k-o.

Distribution: NE-Atlantic and Mediterranean Sea. - W-coast of Ireland; S of Brittany; off Portugal; France, off W-coast of Ireland; Madeira (Funchal Bay). W- Mediterranean. - France (Nice); Italy (Bay of Naples; Sicily; Adriatic).

Depth range: 10-30m.

Habitat: shows a "preference for sandy and muddy bottoms in shallow water" (Biscoito, 1985: 162).

Colour note: Giesbrecht (1910, colour plate).

Size: %, 36-51mm.

***Platysquilloides* Manning & Camp, 1981**

- 1967 *Platysquilla* Manning 1967, Crustaceana, 13 (2): 238 [diagnosis, remarks; part.].
- 1967 *Platysquilla*, - Holthuis, in: Crustaceorum Catalogus, 1: 26.
- 1968 *Platysquilla*, - Manning, Bull. Mar. Sci., 18 (1): 111.
- 1969 *Platysquilla*, - Manning, Stud. Trop. Oceanogr., 8; Inst. Mar. Sci., Univ. Miami: 90.
- 1971 *Platysquilla*, - Camp, Proc. biol. Soc. Wash., 84 (15): 90.
- 1977 *Platysquilla*, - Manning, Atlantide Rep., 12: 93.
- 1980 *Platysquilla*, - Manning, Proc. biol. Soc. Wash., 93 (2): 368 [part.].
- 1981 *Platysquilloides* Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 593-594 [diagnosis, remarks].

***Platysquilloides enodis* (Manning, 1962)**

- 1962 *Lysiosquilla enodis* Manning, Proc. biol. Soc. Wash., 7: 220-221.
- 1967 *Platysquilla enodis*, - Holthuis, Crustaceorum Catalogus, I: 26 [references].
- 1969 *Platysquilla enodis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 91-94, fig. 25.
- 1974 *Platysquilla enodis*, - Manning, NOAA Tech. Rep. NMFS Circ-387: 3, fig. 6 [illustrated key], 4.
- 1980 *Platysquilla enodis*, - Howells & Karp, Crustaceana, 38 (1): 101-104, fig. 1.
- 1981 *Platysquilloides enodis*, - Manning & Camp, Proc. biol. Soc. Wash., 94 (2): 594, fig. 2.

Distribution: NW-Atlantic, between Massachusetts and N-Carolina. - 16km N of Atlantic City, New Jersey; off Vineyard Sound; off North Carolina; off Maryland; off Virginia.

Depth range: 4.6-20.9m.

Habitat: coarse bottoms.

Colour note: Howells & Karp (1980: 102).

Size: ♀, 18-60mm; ♂, 57.5mm.

Remarks: Was found in the stomachs of fishes, Howells & Karp (1980: 102): the skate *Raja erinacea* Mitchill, 1825 and the windowpane flounder *Scophthalmus aquosus* Mitchill, 1814.

***Platysquilloides lillyae* (Manning, 1977)**

- 1977 *Allosquilla lillyae* Manning, Atlantide Rep., 12: 67-68, figs. 17, 54.
- 1984 *Allosquilla lillyae*, - Holthuis, Zool. Meded., 58 (8): 132-136, fig. 1.
- 1986 *Platysquilloides lillyae*, - Froglija & Manning, Proc. biol. Soc. Wash., 99 (2): 264.
- 1989 *Platysquilloides lillyae*, - Froglija & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 268 [key], 271, fig. 2p-t.
- 1989 *Platysquilloides lillyae*, - Valladeres, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 275-279, fig. 1.

Distribution: NE-Atlantic. - Azores (N of Flores; San Miguel). Mediterranean Sea. - Spain (Cadaquès).

Depth range: 52-345m.

Habitat: "sand, gravel, pebbles"; "sand, gravel, "lapilli", rocks" (Manning, 1977: 67); "very fine mixed sand" (Holthuis, 1984: 132).

Colour note: Holthuis (1984: 134-135).
Size: to 69.2mm (&).

***Pullosquilla* Manning, 1978**

1978 *Pullosquilla* Manning, Smiths. Contr. Zool., 264: 18-19 [diagnosis, remarks, key to species].

***Pullosquilla litoralis* (Michel & Manning, 1971)**

1971 *Austrosquilla litoralis* Michel & Manning, Crustaceana, 20 (3): 237, fig. 1.
1974 *Austrosquilla litoralis*, - Thomassin, in: Proc. 2nd Int. Coral Reef Symp., 1: 301-301, 307.
1978 *Pullosquilla litoralis*, - Manning, Smiths. Contr. Zool., 264: 19-20.

Distribution: Seychelles (Aldabra Atoll); Madagascar (Songoritelo, Tuléar); French Polynesia (Society Archipelago: Moorea; Marquesas Archipelago: Nuku Hiva).
Depth range: shallow water.
Habitat: sand flats in coral reef locations.
Size: %, 10-15mm; &, 13-19mm.

***Pullosquilla malayensis* (Manning, 1968)**

1901 *Lysiosquilla spinosa*, - Lanchester, Proc. Zool. Soc. London, 1901: 554 [non *L. spinosa* (Wood-Mason, 1875)].
1913 *Lysiosquilla spinosa*, - Kemp, Mem. Indian Mus., 4 (1): 118-120, pl. VIII, fig. 94.
1968 *Austrosquilla malayensis* Manning, Proc. biol. Soc. Wash., 81: 241-244, fig. 1.
1978 *Pullosquilla malayensis*, - Manning, Smiths. Contr. Zool., 264: 19 [in key].

Distribution: Malaysia (Penang, Pulau Bidan); New Zealand.
Size: &, 15.8-17.3mm.

***Pullosquilla pardus* Moosa, 1991**

1991 *Pullosquilla pardus* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 184-185, fig. 8.

Distribution: New Caledonia (Lagoon).
Depth range: 50m.
Colour note: Moosa (1991: 184).
Size: %, 16mm.

***Pullosquilla thomassini* Manning, 1978**

1978 *Pullosquilla thomassini* Manning, Smiths. Contr. Zool., 264: 20-21, fig. 9.
1980 *Pullosquilla thomassini*, - Manning, Senckenbergiana biol., 60 (3/4) (1979):

269-270.

Distribution: Red Sea (Sudan: Shab Baraja reef area near Port Sudan); Madagascar (Tuléar); French Polynesia (Society Archipelago: Moorea).

Depth range: shallow subtidal-8m.

Habitat: coral reef locations, "on reef flats in grass and sand" (Manning, 1978: 21).

Colour note: Manning (1978: 20).

Size: ♀, 10-15mm; ♂, 13-18mm.

Tetrasquillidae

1993 *Tetrasquillidae* Manning & Camp, Proc. biol. Soc. Wash., 88 [diagnosis, remarks].

***Heterosquillopsis* Moosa, 1991**

1991 *Heterosquillopsis* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 177 [diagnosis, remarks].

***Heterosquillopsis danielae* Moosa, 1991**

1991 *Heterosquillopsis danielae* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 177-179, fig. 6.

Distribution: New Caledonia; Chesterfield Islands.

Depth range: 280-590m.

Size: ♀, 27-33mm.

***Tectasquilla* Adkinson & Hopkins, 1984**

1984 *Tectasquilla* Adkinson & Hopkins, Proc. biol. Soc. Wash., 97 (3): 532-533 [diagnosis, remarks].

1986 *Tectasquilla*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 532-533 [diagnosis, remarks].

***Tectasquilla lutzae* Adkinson & Hopkins, 1984**

1984 *Tectasquilla lutzae* Adkinson & Hopkins, Proc. biol. Soc. Wash., 97 (3): 533-536, figs. 1-2.

1986 *Tectasquilla lutzae*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 533-536, figs. 1-2.

1993 *Tectasquilla lutzae*, Manning & Camp, Proc. biol. Soc. Wash., 106 (1): 87, fig. 2b, 89, fig. 3m-n.

1993 *Tectasquilla lutzae*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: Gulf of Mexico; Atlantic Ocean off Florida.
 Depth range: 36-38m.
 Colour note: Adkinson & Hopkins (1984: 535-536).
 Size: %, 73mm.

***Tetrasquilla* Manning & Chace, 1990**

1990 *Tetrasquilla* Manning & Chace, *Smiths. Contr. Zool.*, 503: 70 [diagnosis, remarks].

***Tetrasquilla mccullochae* (Schmitt, 1940)**

- 1940 *Lysiosquilla mccullochae* Schmitt, *Allan Hancock Pac. Exped.*, 5 (4): 197-201, fig. 23.
 1967 *Heterosquilla (Heterosquilloides) mccullochae*, - Holthuis, *Crustaceorum Catalogus*, I: 14 [references].
 1969 *Heterosquilla (Heterosquilloides) mccullochae*, - Manning, *Stud. Trop. Oceanogr.*, Miami, 8: 55-58, fig. 12.
 1971 *Heterosquilla jonesi* Shanbhogue, *J. Mar. Biol. Ass. India*, 12 (1-2): 100-103, pl. 1.
 1974 *Heterosquilla (Heterosquilloides) mccullochae*, - Manning, *Steenstrupia*, 3: 105, fig. 2.
 1980 *Heterosquilla mccullochae*, - Brusca, *Stomatopoda*, in: *Common intertidal invertebrates of the Gulf of California*; 2nd ed., Univ. Arizona Press: 247.
 1980 *Heterosquilla mccullochae*, - Reaka & Manning, *Smiths. Contr. mar. Sci.*, 7: 11.
 1989 *Heterosquilloides mccullochae*, - Hendrickx & Salgado-Barragan, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 244, tab. I.
 1989 *Tetrasquilla mccullochae*, - Moosa, *Bull. natn. Sci. Mus.*, Tokyo, ser. A, 15 (4): 228.
 1990 *Heterosquilloides mccullochae*, - Camp & Kuck, *Proc. biol. Soc. Wash.*, 103 (4): 852.
 1990 *Tetrasquilla mccullochae* Manning & Chace, *Smiths. Contr. Zool.*, 503: 70-71, fig. 46.
 1993 *Tetrasquilla mccullochae*, - Manning & Camp, *Proc. biol. Soc. Wash.*, 106 (1): 87, fig. 2a, 89, fig. 3j-1.

Distribution: pantropical. - Japan; E-Pacific from the Gulf of California (off San Francisco Island) and Panama; Isla del Coco, off Costa Rica: NE Isla Manuelita; Bahía Weston, west side of Isla Pajara; Bahía de Chatham, west side of Isla Ulloa; Costa Rica (near Punta Quepos; Isla del Caño); Panama (Isla Taboga). - In the W-Atlantic from Florida, Puerto Rico, and Fernando da Noronha; in the central Atlantic from Ascension Island; in the Indian Ocean from the Arabian Seas; Andaman Islands; Indonesia (Maluku); it is the only species of stomatopod common to the Atlantic, Indo-West Pacific, and East Pacific.

Depth range: intertidal-55m.

Habitat: is a burrower in coarse sand; also found on Porites reef, and "boulder talus zone at base of wall" (Camp & Kuck, 1990: 852); "sand and coral rubble"; "sand, rocks, and rubble" (Reaka & Manning, 1980: 11).

Colour note: Manning & Chace (1990: 71).

Size: ♀, 19-46mm; ♂, 21-50mm.

Additional synonymy: *Acanthosquilla* sp., in (Moosa, 1974).

Squilloidea

- 1980 Squilloidea, - Manning, Proc. biol. Soc. Wash., 93 (2): 367 [diagnosis, included families].

Harpiosquillidae

- 1980 Harpiosquillidae Manning, Proc. biol. Soc. Wash., 93 (2): 367 [diagnosis].
1981 Harpiosquillidae, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 10 [diagnosis, remarks].

Harpiosquilla Holthuis, 1964

- 1964 *Harpiosquilla* Holthuis, Crustaceana, 7 (2): 140-141 [diagnosis, remarks].
1966 *Harpiosquilla*, - Manning, Rec. Austr. Mus., 27: 87 [remarks].
1967 *Harpiosquilla*, - Holthuis, Isr. J. Zool., 16: 14 [remarks].
1968 *Harpiosquilla*, - Manning, Bull. mar. Sci., 18 (1): 121 [diagnosis, remarks].
1968 *Harpiosquilla*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 14 [remarks, key to species].
1968 *Harpiosquilla*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 31 [diagnosis, remarks, key to species from W-Pakistan].
1969 *Harpiosquilla*, - Manning, Smiths. Contr. Zool., 36: 1-6 [synonymy, diagnosis, remarks, key to species]; 36-37 [general remarks on genus].
1978 *Harpiosquilla*, - Garcia, Kalikasan, Philipp. J. Biol., 7 (3): 237 [key to Philippine species].
1981 *Harpiosquilla*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 11-12 [diagnosis, remarks; key to species from Tayabas Bay, Philippines].

Synonymy: *Alimerichthus*.

Harpiosquilla annandalei (Kemp, 1911)

- 1911 *Squilla annandalei* Kemp, Rec. Indian Mus., (2) 6 (9): 99.
1913 *Squilla annandalei*, - Kemp, Mem. Indian Mus., 4 (1): 92-93, pl. 7, figs. 78-80.
1921 *Squilla annandalei*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 307.
1934 *Squilla annandalei*, - Chopra, Rec. Indian Mus., 36: 27-28, fig. 2.
1939 *Squilla annandalei*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 159-160, fig. 7.
1939 *Squilla annandalei*, - Foxon, Sci. Rep. John Murray Exped., 6 (6): 259 [discussion of larva].
1952 *Squilla annandalei*, - Alikunhi, Rec. Indian Mus., 49 (3-4): 267, 269 [erroneous spelling, discussion of larva].
1966 *Harpiosquilla annandalei*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 51, fig. 6A-B.
1969 *Harpiosquilla annandalei*, - Manning, Smiths. Contr. Zool., 36: 6-9, figs. 1-3 [complete synonymy]; 9 [discussion of larvae].

- 1974 *Harpiosquilla annandalei*, - Blumstein, Crustaceana, 26 (2): 118.
 1981 *Harpiosquilla annandalei*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 12-13.
 1984 *Harpiosquilla annandalei*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 76.
 1988 *Squilla annandalei*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 656.

Distribution: ?Red Sea (records of larvae); Gulf of Oman, off Iran; India (Sandheads, off mouth of Hughli River); Bay of Bengal (off Kabusa Island), and Gulf of Martaban, off Burma; Burma (Mergui Archipelago; Gulf of Martaban); Indonesia (Makassar Strait; Java Sea; East Java; Madura Strait); Viet Nam (Baie de Cauda; Gulf of Tonkin); Philippines; Taiwan (Tung Kan); Japan (Hayama, Sagami Bay).

Depth range: 15-206m.

Habitat: sand; sandy mud; "muddy sand and clay" (Blumstein, 1974: 118); "clay, mud, sand, minute gastropod shells"; "green mud"; "grey soft mud" (Manning, 1969: 6).

Colour note: Manning (1969: 7) and Kemp (1913: 93).

Size: ♀, 71-135mm; ♂, 43-133mm.

Remarks: a species with some economic importance; is occasionally sold in markets.

***Harpiosquilla harpax* (de Haan, 1844)**

- 1844 *Squilla harpax* de Haan, Crustacea, in: P.F. von Siebold, Fauna japonica sive descriptio animalium...atlas: pl. 51, fig. 1.
 1952 *Squilla raphidea*, - Alikunhi, Rec. Indian Mus., 49 (3): 265-269, fig. 9 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1952 *Squilla harpax*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3-4): 358-359, fig. 3b, d, f.
 1959 *Squilla harpax*, - Alikunhi, J. Zool. Soc. India, 10 (2): 132, fig. 13 [larva].
 1963 *Squilla harpax*, - Ingle, Bull. Sea Fish. Res. Stat., Haifa, 33: 14, 18, figs. 9, 59.
 1966 *Harpiosquilla harpax*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 51, fig. 7A-F.
 1967 *Harpiosquilla raphidea*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 894-904, figs. 114-125 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1968 *Harpiosquilla harpax*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 14 [key], 15-18, fig. 4.
 1968 *Harpiosquilla harpax*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 33-35, fig. 13.
 1969 *Harpiosquilla harpax*, - Manning, Smiths. Contr. Zool., 36: 25-33, figs. 28-38 [complete synonymy]; 32 [sexual dimorphism]; 32-33 [discussion of larvae].
 1974 *Harpiosquilla harpax*, - Blumstein, Crustaceana, 26 (2): 119.
 1975 *Harpiosquilla harpax*, - Moosa, Mar. Res. Indonesia, 15: 11-12.
 1977 *Harpiosquilla harpax*, - Manning, Rev. Suisse Zool., 84 (2): 287-288.
 1981 *Harpiosquilla harpax*, - Garcia, Nat. Mus. Manila, Philippines, Nat. Pap., 6: 16-17.
 1981 *Harpiosquilla harpax*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 247, fig. 9.

- 1984 *Harpiosquilla harpax*, - Ghosh, Bull. zool. Surv. India, 6 (1-3): 264.
 1985 *Harpiosquilla harpax*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 390.
 1991 *Harpiosquilla harpax*, - Manning, Smiths. Contr. Zool., 521: 8.

Distribution: Widely distributed in the Indo-West-Pacific. - Red Sea (Ethiopia); Gulf of Oman; Zanzibar; Madagascar; South Africa; Bay of Bengal (Ceylon-Calcutta); Sri Lanka; Pakistan (Karach); India (Bombay; Goa; mouth of river Hooghly; Madras coast; Andaman Islands); Thailand; Singapore; Malaysia; Indonesia (Java; Jakarta Bay; Sumatra); Viet Nam (Gulf of Tonkin); Philippines; China; Taiwan; Australia; Japan.

Depth range: 2-95m.

Habitat: "green mud, shell; brown sand; grey sand; brown sticky mud; soft mud;... muddy sand; and sandy shore" (Manning, 1969: 32); "mud and sand with shells" (Blumstein, 1974: 119); may tolerate water of lowered salinity.

Colour note: Tirmizi & Manning (1968: 34), Manning (1969: 27) and Ghosh (1984: 264).

Size: ♀, 69-188mm; ♂, 64-248mm.

Remarks: may have some fishery potential; recorded from fish markets in Pakistan, Borneo, the Philippines and Taiwan.

Synonymy: has a very confusing synonymy, which is shown in detail by Manning (1969: 25-26); often confused with *Harpiosquilla raphidea*. Use for identification only the above listed references or literature published later than 1969.

***Harpiosquilla indica* Manning, 1969**

- 1969 *Harpiosquilla indica* Manning, Smiths. Contr. Zool., 36: 33-37, figs. 39-43.
 1974 *Harpiosquilla indica*, - Moosa, Treubia, 28 (3): 79-81, figs. 4-5.
 1976 *Harpiosquilla indica*, - Ghosh, Rec. zool. Surv. India, 71: 51-55, fig. 1A-D.
 1981 *Harpiosquilla indica*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 17-18.

Distribution: S-India (south of Mandapam Camp; Waltair, Andhra Coast; Andaman Islands); Indonesia (Bima Bay, Sumbawa); Philippines.

Depth range: intertidal-22m.

Habitat: prefers sandy-muddy bottoms.

Colour note: Manning (1969: 34-35) and Ghosh (1976: 53).

Size: ♀, 150mm; ♂, 131mm.

Remarks: has some economic importance, sold in local markets.

***Harpiosquilla intermedia* Manning & Michel, 1973**

- 1973 *Harpiosquilla intermedia* Manning & Michel, Proc. biol. Soc. Wash., 86 (9): 113-115, figs. 1, 2b.
 1977 *Harpiosquilla intermedia*, - Manning, Rev. Suisse Zool., 84 (2): 288.
 1981 *Harpiosquilla intermedia*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 13-14.
 1991 *Harpiosquilla intermedia*, - Moosa, Stomatopoda, in: Le benthos des fonds

meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 186.

Distribution: Philippines (Tayabas Bay); New Caledonia (Lagoon; St. Vincent Bay; Baie de Ducos).

Depth range: 6-50m.

Colour note: Manning & Michel (1973: 114) and Garcia (1981: 14).

Size: ♀, 160-200mm; ♂, 189-209mm.

***Harpiosquilla japonica* Manning, 1969**

1902 *Chloridiella raphidea*, - Rathbun, Proc. U.S. natn. Mus., 26 (1307): 55 [non *S. raphidea* Fabricius].

1913 *Squilla raphidea*, - Fukuda, Dobutsugaku Zasshi, 25 (2): 70, 72, fig. p. 71 [non *S. raphidea* Fabricius].

1969 *Harpiosquilla japonica* Manning, Smiths. Contr. Zool., 36: 15-17, figs. 10-11.

1973 *Harpiosquilla japonica*, - Manning & Michel, Proc. biol. Soc. Wash., 86 (9): 115, fig. 2a [text].

1981 *Harpiosquilla japonica*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 14-16.

Distribution: Philippines (Tayabas Bay); Japan (Wakanoura, Kii).

Depth range: 12-25m.

Habitat: sandy or muddy bottoms.

Colour note: Garcia (1981: 15).

Size: ♀, 137-165mm; ♂, 135-172mm.

Remarks: has some economic importance in Japan.

***Harpiosquilla malagasiensis* Manning, 1978**

1978 *Harpiosquilla malagasiensis* Manning, Smiths. Contr. Zool., 264: 30, fig. 15.

Distribution: Madagascar (Tamatave).

Size: ♂, 196mm.

***Harpiosquilla melanoura* Manning, 1968**

1955 *Squilla raphidea*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 239-240 [part, non *S. raphidea* Fabricius].

1968 *Harpiosquilla melanoura* Manning, Proc. U.S. natn. Mus., 124 (3641): 18-21, fig. 5.

1969 *Harpiosquilla melanoura*, - Manning, Smiths. Contr. Zool., 36: 21-25, figs. 18-27.

1989 *Harpiosquilla melanoura*, - Moosa, Bull. natn. Sci. Mus., Tokyo, ser. A, 15 (4): 228.

1976 *Harpiosquilla melanoura*, - Ghosh, Rec. zool. Surv. India, 71: 54-55.

Distribution: Madagascar (Banc de Pracel); India (Waltair, Andhra Coast); Mergui Archipelago; off Burma; Australia (Port

Jackson, New South Wales); Japan.
 Depth range: 55-73m.
 Habitat: sand, or muddy sand.
 Colour note: Manning (1969: 22).
 Size: ♀, 128.6-161mm; ♂, 128-151mm.

***Harpiosquilla philippina* Garcia, 1978**

- 1978 *Harpiosquilla philippina* Garcia; Kalikasan, Philipp. J. Biol., 7 (3): 232-237, figs. 1-8.
 1981 *Harpiosquilla philippina*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 18.

Distribution: Philippines (Tayabas Bay).
 Depth range: 12-24m.
 Habitat: lives on sandy or muddy bottoms.
 Colour note: Garcia (1978: 232).
 Size: ♀, 159.5mm; ♂, 138.3mm.
 Remarks: of some economic importance, sold in local markets.

***Harpiosquilla raphidea* (Fabricius, 1798)**

- 1913 *Squilla raphidea*, - Kemp, Mem. Indian Mus., 4: 88-92, pl. VII, fig. 77 [part].
 1918 *Squilla raphidea*, - Sunier, Contr. à la Faune des Indes Néerlandaises, 1 (4): 70, fig. 3.
 1941 *Squilla raphidea*, - Nair, Proc. Indian Acad. Sci., ser. B., 14 (6): 544, figs. 3-10, 21, 23-30, pl. 29, figs. 34-35, pl. 30, figs. 37-38, 40 [embryology].
 1952 *Squilla raphidea*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 356-358, fig. 3a, c.
 1968 *Harpiosquilla raphidea*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 31-33, fig. 12.
 1969 *Harpiosquilla raphidea*, - Manning, Smiths. Contr. Zool., 36: 9-15, figs. 4-9 [complete synonymy, also discussion of larvae and sexual dimorphism].
 1975 *Harpiosquilla raphidea*, - Moosa, Mar. Res. Indonesia, 15: 12.
 1977 *Harpiosquilla raphidea*, - Manning, Rev. Suisse Zool., 84 (2): 288.
 1981 *Harpiosquilla raphidea*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 246, fig. 8.
 1990 *Harpiosquilla raphidea*, - Manning, Steenstrupia, 16 (6): 100.

Distribution: Persian Gulf; Pakistan (Cox's Bazaar, Chittagong; Fish Harbour, Karach); India (Bombay area; Sundarbans; mouth of River Hughli; Calcutta; of Puri); Bay of Bengal; Malaysia (Penang; Kuching Fish Market, Sarawak); Singapore; Thailand (Gulf of Siam: Pak Poon; Tale Sap); Indonesia (Java Sea; North Borneo; Borneo Bank; Makassar Strait; Madura Strait; Sumatra); South China Sea (NE of Tegal). Many records in the older literature in need of verification, see Manning (1969: 15).

Depth range: 2-51m.
 Habitat: brackish water.

Colour note: Tirmizi & Manning (1968: 33) and Manning (1969: 11).

Size: ♀, up to 310mm; ♂, 216-277mm.

Remarks: Has economic importance in certain areas and is found on local fish markets, so in West Pakistan (Karachi), Malaysia (Morib), Singapore, Borneo (Sarawak) and the Philippines (Manila) (Manning, 1969: 14).

Synonymy: Has a very confusing synonymy, which is shown in detail by Manning (1969: 9-10). It has been often confused with *Harpiosquilla harpax*. Use for identification only the above listed references or literature published after 1969.

***Harpiosquilla stephensoni* Manning, 1969**

- 1966 *Harpiosquilla harpax*, - Manning, Rec. Austr. Mus., 27 (4): 87, fig. 1 [non *S. harpax* de Haan].
- 1968 *Harpiosquilla* sp., - Manning, Bull. mar. Sci., 18 (1): 87, fig. 1 [non *S. harpax* de Haan].
- 1969 *Harpiosquilla stephensoni* Manning, Smiths. Contr. Zool., 36: 17-21, figs. 12-17 [including synonymy of erroneous assignments, sexual dimorphism and discussion of larvae].
- 1973 *Harpiosquilla stephensoni*, - Manning & Michel, Proc. biol. Soc. Wash., 86 (9): 115, fig. 2c [text].

Distribution: Australia (Queensland: Port Curtis; southern Gulf of Carpentaria; Cairns Inlet, northern Queensland; Port Curtis, Queensland; near Emery Point, Darwin Harbour, Northern Territory).

Depth range: 20-26m.

Colour note: Manning (1969: 18).

Size: ♀, 136-272 mm; ♂, 135-315mm.

Squillidae

- 1968 Squillidae, - Manning, Bull. mar. Sci., 18 (1): 105-142 [revision of family], 113-119 [diagnosis, remarks], 120-121 [key to genera].
- 1968 Squillidae, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 28 [diagnosis, remarks, key to genera from Pakistan].
- 1969 Squillidae, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 99-100 [diagnosis, remarks, key to American genera].
- 1972 Squillidae, - Manning, Zoologica, N.Y., 56: 99-101 [key to genera and species from the E-Pacific].
- 1977 Squillidae, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 8 [remarks on species from SE-Asia].
- 1977 Squillidae, - Manning, Atlantide Rep., 12: 110 [remarks, references]; 110-111 [key to genera and species from the Mediterranean and E-Atlantic].
- 1980 Squillidae, - Manning, Proc. biol. Soc. Wash., 93 (2): 367 [diagnosis, included genera].
- 1980 Squillidae, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 18 [discussion of family].
- 1981 Squillidae, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 18-19 [diagnosis, remarks].
- 1986 Squillidae, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley

Intersci. Publ.: 310 [diagnosis].

***Alima* Leach, 1817**

- 1968 *Alima*, - Manning, Bull. mar. Sci., 18 (1): 136-137 [diagnosis, remarks].
 1969 *Alima*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 127-128 [diagnosis, remarks, key to Atlantic species].
 1970 *Alima*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1433 [key to species].
 1977 *Alima*, - Manning, Atlantide Rep., 12: 112 [remarks, references].

***Alima alba* (Bigelow, 1893)**

- 1894 *Squilla alba*, - Bigelow, Proc. U.S. natn. Mus., 17: 539-541, pl. 22.
 1986 *Alima neptuni*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 13-14.
 1993 *Alima alba*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 577-578.

Distribution: Caribbean Sea. - Florida (Peanut Island in Lake Worth, Palm Beach County); Tobago (Buccoo Reef). Indo-Pacific (Red Sea).

Depth range: 2m.

Habitat: back reef area, on sand patch; tidal flats, exposed at low tide.

Colour note: Bigelow (1894: 540-541).

Size: ♀, 46mm; ♂, 42mm.

Remarks: species with a very confusing synonymy, see Schotte & Manning (1993: 577).

Additional synonymy: *Alima angustata*; *Alima hyalina*, in Manning (1962: 496; 1969: 128, figs. 37-38, 39a; not *Alima hyalina* Leach, 1817, which is a larva; not *Cancer neptuni* Linnaeus, 1768, which is a larva.

***Alima guinotae* Moosa, 1991**

- 1991 *Alima guinotae* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 186.

Distribution: New Caledonia (Lagoon).

Depth range: 55-65m.

Habitat: "on shelly debris bottom" (Moosa, 1991: 188).

Size: ♀, 45mm.

***Alima hieroglyphica* Kemp, 1911**

- 1911 *Squilla hieroglyphica* Kemp, Rec. Indian Mus., 6: 96.
 1913 *Squilla hieroglyphica*, - Kemp, Mem. Indian Mus., 4 (1): 51-52, pl. 3, figs. 38-41.
 1915 *Squilla hieroglyphica*, - Kemp, Philippine J. Sci., D, 10 (3): 171.
 1916 *Squilla empusa*, - Balss, in: Michaelsen, Beiträge zur Kenntnis der Meeresfauna Westafrikas, 2: 50 [part, non *Squilla empusa* Say, 1818].

- 1940 *Squilla hildebrandi* Schmitt, Allan Hancock Pac. Exped., 5 (4): 152-154, fig. 6.
- 1952 *Squilla hieroglyphica*, - Alikunhi, Rec. Indian Mus., 49 (3): 264-265, fig. 8 [last pelagic larval stage, identified through metamorphosis in laboratory].
- 1960 *Squilla labadiensis* Ingle, Ann. Mag. Nat. Hist., 2 (2): 566-573, figs. 1-10.
- 1967 *Alima hieroglyphica*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 878-881, figs. 109-113 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1969 *Alima hieroglyphica*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 135-139, fig. 40 [references].
- 1972 *Alima hieroglyphica*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
- 1977 *Alima hieroglyphica*, - Manning, Atlantide Rep., 12: 112-115, figs. 36, 51.
- 1988 *Squilla hieroglyphica*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.
- 1992 *Squilla hieroglyphica*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Pantropical. In the Indo-Pacific known from Mozambique; India, Philippines; Japan. In W-Atlantic from Panama, Cuba, and Brazil. In E-Atlantic from off West Africa: Senegal (Gorée); Ivory Coast; Ghana; Congo.

Depth range: "from the beach to 20m" (Manning, 1977: 115).

Habitat: "fine, quartz, muddy sand" (Manning, 1977: 115).

Colour note: Manning (1969: 138, 1977: 114).

Size: ♀, 16-75mm; ♂, 16-58mm; postlarva, 15mm.

***Alima hyalina* Leach, 1817**

- 1921 *Squilla alba*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 288.
- 1946 *Squilla* sp., - Gurney, Proc. zool. Soc. Lond., 116: 145-146, fig. 8 [last pelagic larval stage and postlarva, identified through metamorphosis in laboratory].
- 1953 *Squilla alba*, - Townsley, Pac. Sci., VII: 408-410, figs. 6, 7a-f.
- 1958 *Squilla alba*, - Ingle, Ann. Mag. Nat. Hist., ser. 13, 1 (1): 49-56, figs. 1-6.
- 1967 *Alima hyalina*, - Manning, Crustaceana, 12 (1): 105.
- 1969 *Alima hyalina*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 128-135, figs. 37-38, 39, including the confusing synonymy.
- 1970 *Alima hyalina*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1432-1433, fig. 1.
- 1972 *Alima hyalina*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
- 1975 *Alima hyalina*, - Moosa, Mar. Res. Indonesia, 15: 9.
- 1976 *Alima hyalina*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 66.
- 1977 *Alima hyalina*, - Manning, Atlantide Rep., 12: 115-117, figs. 37, 51.
- 1986 *Alima hyalina*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 310, pl. 98, fig.
- 1990 *Alima hyalina*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 109, fig. 7.

Distribution: W-Atlantic. - Gulf of Mexico; Bahamas; Florida; Dominican Republic; Barbuda; Curaçao; Colombia (Bahía de Santa Marta). E-and Central Atlantic (St. Helena). - Cape Verde Islands; St. Helena. Indo-Pacific. - South Africa;

Madagascar Grand Recif, Tuléar); Indonesia (Kongsi Isl.); Hawaii (Waikiki Reef, Honolulu).

Depth range: shallow subtidal-70m.

Habitat: on sandy bottoms and in seagrass beds; "sand and rocky reef"; "in *Thalassia flats*" (Manning, 1969: 129).

Colour note: Manning (1969: 133).

Size: ♀, 21-45.5mm; ♂, 18-46mm.

Alima laevis (Hess, 1865)

1913 *Squilla laevis*, - Kemp, Mem. Indian Mus., 4 (1): 49-50, pl. 3, figs. 35-37 [references].

1952 *Squilla laevis*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 6-7.

1955 *Squilla laevis*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 242-243.

1962 *Squilla laevis*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 33-34.

1966 *Squilla laevis*, - Manning, Rec. Austr. Mus., 27: 98-99.

1981 *Alima laevis*, - Kunze, Phil. Trans. R. Soc. (B) 292 (1059): 260-318, several figs. [detailed account on functional morphology].

1991 *Alima laevis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 188.

Distribution: Australia (Queensland; Sydney, Victoria, Port Jackson; S- and W-Australia; Shark Bay); New Caledonia (Lagoon).

Depth range: 3.6-53m.

Habitat: among weeds.

Colour note: Manning (1966: 99).

Size: ♀, 17-119mm; ♂, 24-124mm.

Alima orientalis Manning, 1978

1978 *Alima orientalis* Manning, Smiths. Contr. Zool., 264: 21-22, fig. 10.

Distribution: Seychelles (Mahé); Taiwan (Takao).

Size: Manning (1978: 22).

Alimopsis Manning, 1977

1977 *Alimopsis* Manning, Proc. biol. Soc. Wash., 90 (2): 421 [diagnosis, remarks].

Alimopsis supplex (Wood-Mason, 1875)

1875 *Squilla supplex* Wood-Mason, Proc. As. Soc. Bengal: 232.

1913 *Squilla supplex*, - Kemp, Mem. Indian Mus., 4 (1): 82-84, pl. VI, fig. 69 [references].

1988 *Squilla supplex*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 659.

Distribution: India (Bombay).

Colour note: Kemp (1913: 83-84).

Size: ♀, 45-79mm; ♂, 73mm.

***Alimopsoides* Moosa, 1991**

- 1991 *Alimopsoides* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 191 [diagnosis, remarks].

***Alimopsoides tuberculatus* Moosa, 1991**

- 1991 *Alimopsoides tuberculatus* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 191.

Distribution: New Caledonia; Chesterfield Islands (Lopp Island).

Size: ♀, 62mm; ♂, 32mm.

***Anchisquilla* Manning, 1968**

- 1968 *Anchisquilla* Manning, Bull. mar. Sci., 18 (1): 127-128 [diagnosis, remarks].

***Anchisquilla fasciata* (de Haan, 1844)**

- 1844 *Squilla fasciata* de Haan, in: Fauna Japonica sive Descriptio Animalium, ..., atlas: pl. 51, fig. 4.
- 1849 *Squilla fasciata* de Haan, in: Fauna Japonica sive Descriptio Animalium, ...: text 224.
- 1886 *Squilla fasciata*, - Brooks, Sci. Rep. Res. Challenger (Zool.), 16: 37-40, pl. II, fig. 8, pl. III, figs. 4-5.
- 1913 *Squilla fasciata*, - Kemp, Mem. Indian Mus., 4 (1): 34-36, pl. I, figs. 21-23.
- 1921 *Squilla fasciata*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 300.
- 1926 *Squilla fasciata*, - Hansen, Siboga Exped. Monogr., 35: 5-6.
- 1934 *Squilla fasciata*, - Tweedie, Bull. Raffles Mus., 9: 35-36.
- 1939 *Squilla fasciata*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 141-142.
- 1941 *Squilla fasciata*, - Holthuis, Temminckia, 6: 242-243 [references].
- 1952 *Squilla fasciata*, - Alikunhi, Rec. Indian Mus., 49 (3): 278-280, fig. 14 [last pelagic larval stage, identified through metamorphosis in laboratory].
- 1966 *Squilla fasciata*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 47, fig. 4A-B.
- 1967 *Squilla fasciata*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 889-892, figs. 146-153 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1967 *Squilla fasciata*, - Holthuis, Isr. J. Zool., 16: 2-3.
- 1971 *Anchisquilla fasciata*, - Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 143.
- 1973 *Anchisquilla fasciata*, - Ghosh, Crustaceana, 24 (1): 143.
- 1973 *Anchisquilla fasciata*, - Moosa, Mar. Res. Indonesia, 13: 17.
- 1974 *Anchisquilla fasciata*, - Blumstein, Crustaceana, 26 (2): 114-115, fig. 2.
- 1975 *Anchisquilla fasciata*, - Moosa, Mar. Res. Indonesia, 15: 9-10.

- 1984 *Anchisquilla fasciata*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 76.
 1985 *Anchisquilla fasciata*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 390-391.
 1991 *Anchisquilla fasciata*, - Manning, Smiths. Contr. Zool., 521: 8.
 1991 *Anchisquilla fasciata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 193-194.

Distribution: Red Sea (Dahlak Archipelago); Gulf of Oman; Andaman Islands; Mergui Archipelago; Maldives; Singapore; Makassar Strait; Indonesia (Maluku waters and Makassar Strait; East Java; Borneo Bank; Donggala, Palos Bay, Sulawesi; Kwandang Bay, Sulawesi; north of Bali; W of Toba Island, Aru Ilands, Moluccas; Ayer Island, off Jakarta; Jakarta Bay; Madura Strait); China; Vietnam (Gulf of Tonkin); Papua New-Guinea (Port Moresby); Taiwan; Japan; Australia; New Caledonia (Lagoon; St. Vincent Bay).

Depth range: 10-127m.

Habitat: "fine grey coral sand"; "fine grey mud"; "fine yellowish grey mud" (Moosa & Cleva, 1984: 76); "mud, muddy sand, hard sand, foraminiferal sand, and coral and stones" (Moosa, 1985); mud with shells.

Colour note: Tweedie, 1934: 36), Manning (1967: 2-3) and Kemp (1913: 35-36).

Size: ♀, 31-74mm; ♂, 25.9-72mm.

Anchisquilla inermis (Manning, 1966)

- 1927 ?*Squilla lata*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., (B) 3 (3): 310, pl. 14, figs. 1-1b.
 1966 *Squilla inermis* Manning, Crustaceana, 9 (3): 255-257, fig. 2.
 1974 *Anchisquilla inermis*, - Blumstein, Crustaceana, 26 (2): 115.

Distribution: Viet Nam (Gulf of Tonkin); Japan (Enoshima, Sagami Bay).

Depth range: 20-80m.

Habitat: "muddy and clayey sand" (Blumstein, 1974: 115).

Colour note: Manning (1966: 257).

Size: ♂, 30.6mm.

Anchisquilla punctata Blumstein, 1970

- 1970 *Anchisquilla punctata* Blumstein, Crustaceana, 18: 218-220, fig. 1.
 1974 *Anchisquilla punctata*, - Blumstein, Crustaceana, 26 (2): 115.

Distribution: Viet Nam (Gulf of Tonkin).

Depth range: 102m.

Habitat: muddy sand.

Colour note: Blumstein (1970: 219).

Size: ♀, 35.5mm.

Anchisquilloides Manning, 1977

- 1977 *Anchisquilloides* Manning, Proc. biol. Soc. Wash., 90 (2): 421 [diagnosis, remarks].

***Anchisquilloides mcneilli* (Stephenson, 1953)**

- 1953 *Squilla mcneilli* Stephenson, Austr. J. Mar. Freshw. Res., 4 (1): 213-218, fig. 4.
 1955 *Squilla mcneilli*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 242.
 1962 *Squilla mcneilli*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.
 1966 *Squilla mcneilli*, - Manning, Rec. Austr. Mus., 27 (4): 99.
 1970 *Anchisquilla mcneilli*, - Manning, Rec. Austr. Mus., 28: 84-85.

Distribution: Australia (off New South Wales: off Cronulla, Sydney; W-Australia).
 Depth range: 46-216m.
 Colour note: Stephenson (1953: 217).
 Size: ♀, 40-85mm; ♂, 25-86mm.

***Anchisquilloides michelae* Moosa, 1985**

- 1985 *Anchisquilloides michelae* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 391-393, fig. 7.

Distribution: Philippines.
 Depth range: 143-199m.
 Colour note: Moosa (1985: 392).
 Size: ♀, 86-111mm; ♂, 88-115mm.

***Anchisquillopsis* Moosa, 1985**

- 1985 *Anchisquillopsis* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 393-394 [diagnosis, remarks].

***Anchisquillopsis clevai* Moosa, 1985**

- 1985 *Anchisquillopsis clevai* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 394-396, fig. 8.

Distribution: Philippines.
 Depth range: 215-287m.
 Colour note: Moosa (1985: 396).
 Size: ♀, 137mm; ♂, 48-125mm.

***Areosquilla* Manning, 1976**

- 1976 *Areosquilla* Manning, Beaufortia, 318 (25): 2-3 [diagnosis, remarks, key to species].

Areosquilla hansenii Manning, 1976

- 1926 *Squilla indica* Hansen, Siboga Exped. Monogr., 35: 12 [part].
 1976 *Areosquilla hansenii* Manning, Beaufortia, 318 (25): 3-5, fig. 1.

Distribution: Indonesia (Celebes: Pulau Pajunga, Kuandang Bay).

Depth range: 31m.

Size: ♀, 22.5mm.

Areosquilla indica (Hansen, 1926)

- 1926 *Squilla indica* Hansen, Siboga Exped. Monogr., 35: 12-14, pl. 1, fig. 4a-c [part.].
 1934 *Squilla indica*, - Chopra, Rec. Indian Mus., 36 (1): 35-38, fig. 5.
 1939 *Squilla indica*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 150-151.
 1976 *Areosquilla indica*, - Manning, Beaufortia, 318 (25): 5-6, fig. 2.
 1991 *Areosquilla indica*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 194.

Distribution: Maldives; Nicobar Islands (Octavia Bay, Nancoury Harbour); Indonesia (Celebes: Lohio Bay, Buton Strait); New Caledonia.

Depth range: 22-46m.

Habitat: sandy mud and mud.

Size: ♀, 22.5-28.5mm; ♂, 24.5-44mm.

Areosquilla interstincta Manning, 1976

- 1926 *Squilla oratoria* var. *perpensa*, - Hansen, Siboga Exped. Monogr., 35: 11 [part, non *O. perpensa* (Kemp)].
 1976 *Areosquilla interstincta* Manning, Beaufortia, 318 (25): 6-8, fig. 3.

Distribution: Madagascar (Grand Recif, Tuléar); Indonesia (Tanahdjampea Island; Sumbawa).

Depth range: 32-36m.

Habitat: sand; corals and coral sand; mud.

Colour note: Manning (1976: 7-8).

Size: ♀, 33mm.

Busquilla Manning, 1978

- 1978 *Busquilla* Manning, Smiths. Contr. Zool., 264: 22 [diagnosis, remarks].

Busquilla plantei Manning, 1978

- 1978 *Busquilla plantei* Manning, Smiths. Contr. Zool., 264: 23-24, fig. 11.

Distribution: Madagascar (Grand Recif, Tuléar).

Depth range: shallow subtidal-17m.

Habitat: coral reefs; "sand with *Cerithiopsis*"; "platform between the buoys" (Manning, 1978: 23).

Colour note: Manning (1978: 24).

Size: %, 53-65.5mm.

***Busquilla quadraticauda* (Fukuda, 1911)**

- 1911 *Squilla quadraticauda* Fukuda, Annot. Zool. Japon., 7 (12): 286-287, pl. XI, figs. 1-2.
 1913 *Squilla boops*, - Kemp, Mem. Indian Mus., 4 (1): 55-57, pl. IV, figs. 45-47.
 1952 *Squilla boops*, - Alikunhi, Rec. Indian Mus., 49 (3): 256-258, fig. 5 [final pelagic larval stage, identified through metamorphosis in laboratory].
 1967 *Squilla boops*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 876-878, figs. 101-108 [postlarva and juvenile, identified through metamorphosis in laboratory].
 1973 *Oratosquilla quadraticauda*, - Moosa, Mar. Res. Indonesia, 13: 24-25.
 1988 *Squilla boopis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 656.

Distribution: Burma (Gulf of Martaban); Indonesia (Maluku waters).

Depth range: 45-123m.

Habitat: "sand and rubble" (Moosa, 1973: 24).

Colour note: Moosa (1973: 25).

Size: %, 39mm; &, 89mm.

***Carinosquilla* Manning, 1968**

- 1968 *Carinosquilla* Manning, Bull. mar. Sci., 18 (1): 135-136 [diagnosis, remarks].
 1983 *Carinosquilla*, - Naiyanetr, Senckenbergiana biol., 63 (5/6) (1982): 399 [key to species].

***Carinosquilla carinata* (Serène, 1950)**

- 1938 *Squilla multicarinata*, - Dollfus, Mem. Inst. Egypte, 37: 196-198, fig. 7.
 1938 *Squilla multicarinata*, - Gravier, Mem. Inst. Egypte, 37: 174-177 [nec *Squilla multicarinata* White, 1847].
 1950 *Squilla carinata* Serène, Bull. Mus. Hist. nat. Paris, (2) 22 (5): 571.
 1963 *Squilla carinata*, - Ingle, Bull. Sea Fish. Res. Stat. Haifa, 33: 17-18, figs. 6-8, 10-12, 67.
 1968 *Squilla carinata*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 21-23, fig. 6.
 1974 *Carinosquilla carinata*, - Blumstein, Crustaceana, 26 (2): 115.
 1983 *Carinosquilla carinata*, - Naiyanetr, Senckenbergiana biol., 63 (5/6) (1982): 398 tab.
 1983 *Carinosquilla thailandensis* Naiyanetr, Senckenbergiana biol., 63 (5/6) (1982): 394-398, figs. 2, 4, tab.
 1984 *Carinosquilla carinata*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 427-428.
 1991 *Carinosquilla carinata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 194-196.

Distribution: Seychelles; Thailand (Ko Phai, Chon Buri Prov.); South China Sea; Viet Nam (Gulf of Tonkin); New Caledonia.

Depth range: 26-80m.

Habitat: "muddy sand and clay" (Blumstein, 1974: 115); "inhabits muddy sand, shell sand, coral sand" (Moosa, 1991: 196).

Colour note: Naiyanetr (1982: 398).

Size: ♀, 77-104mm; ♂, 66-107mm.

Carinosquilla multicarinata (White, 1847)

1913 *Squilla multicarinata*, - Kemp, Mem. Indian Mus., 4 (1): 86-88, pl. 4, figs. 73-76.

1934 *Squilla multicarinata*, - Tweedie, Bull. Raffles Mus., 9: 39.

1939 *Squilla multicarinata*, - Serène, Bull. Soc. Zool. Fr., 64: 344.

1962 *Squilla multicarinata*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 35, 38 [references].

1973 *Carinosquilla multicarinata*, - Moosa, Mar. Res. Indonesia, 13: 17.

1975 *Carinosquilla multicarinata*, - Moosa, Mar. Res. Indonesia, 15: 10.

1983 *Carinosquilla multicarinata*, - Naiyanetr, Senckenbergiana biol., 63 (5/6) (1982): 398 tab., with distinguishing features of *C. carinata*, *multicarinata* and *thailandensis*.

1991 *Carinosquilla multicarinata*, - Manning, Smiths. Contr. Zool., 521: 8-9.

Distribution: Japan; Australia (Dampier Archipelago, W-Australia); Singapore (Siglap); Indonesia (Maluku waters; Seribu Islands).

Depth range: 25m.

Habitat: "coarse foraminiferal and shell sand" (Moosa, 1973: 17); "muddy sand with fragments of corals and shells" (Manning, 1991: 8).

Colour note: Kemp (1913: 88).

Size: ♀, 80mm; ♂, 28-46mm.

Clorida Eydoux & Souleyt, 1842

1966 *Clorida*, - Manning, Rec. Austr. Mus., 27: 86 [remarks].

1968 *Clorida*, - Manning, Bull. mar. Sci., 18 (1): 123-125 [diagnosis, remarks].

1968 *Clorida*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 4-5 [remarks, key to species].

1968 *Clorida*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 29 [diagnosis, remarks].

Clorida bombayensis (Chhapgar & Sane, 1967)

1967 *Squilla bombayensis* Chhapgar & Sane, Crustaceana, 12 (1): 1-4, fig. 1.

1988 *Squilla bombayensis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 656.

Distribution: India (Bombay).

Depth range: intertidal.
 Colour note: cream.
 Size: ♂, 44-63mm.

***Clorida caledonica* Moosa, 1991**

1991 *Clorida caledonica* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 196-198, fig. 12.

Distribution: New Caledonia (Lagoon).
 Depth range: 51m.
 Colour note: Moosa (1991: 196).
 Size: ♀, 22mm; ♂, 31mm.

***Clorida chlorida* (Brooks, 1886)**

- 1886 *Squilla chlorida* Brooks, Rep. Sci. Res. Challenger (Zool.), 16: 40-44, pl. 2, figs. 1-5.
 1913 *Squilla chlorida*, - Kemp, Mem. Indian Mus., 4 (1): 33.
 1952 *Squilla chlorida*, - Serène, Rec. Austr. Mus., 23 (1): fig. 12.
 1968 *Clorida chlorida*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 5-8, fig. 1.
 1973 *Clorida chlorida*, - Moosa, Mar. Res. Indonesia, 13: 17-19.
 1974 *Clorida chlorida*, - Blumstein, Crustaceana, 26 (2): 115.
 1979 *Clorida chlorida*, - Makarov, Crustaceana, 37 (1): 41-42.
 1984 *Clorida chlorida*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 76.
 1991 *Clorida chlorida*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 198.
 1992 *Clorida chlorida*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 155, 158, figs. 2, 5 [maps], fig. 6, tabs. 1-4.

Distribution: Madagascar (Large Baie de Moramba; Banc de Pracel; Iles Mitsio); Indonesia (Makassar Strait; Moluccas: Maluku waters, many records in Moosa, 1973: 17, 19); Vietnam (Gulf of Tonkin); New Caledonia.

Depth range: 10-108m.

Habitat: "fine *Acropora* and mud"; "sand and fine shelly grit"; "sandy mud"; "fine mud" (Moosa, 1973: 17); "clayey sand, red sandy mud with broken shells" (Blumstein, 1974: 115); "mostly in muddy sand habitats" (Moosa, 1991: 198); in the New Caledonian lagoons the species clearly prefers muddy bottoms (Richer de Forges & Moosa, 1992: 155).

Colour note: Manning (1968: 7-8).

Size: ♀, 15.5-58mm; ♂, 16.5-53mm; juv. 12.1mm.

***Clorida choprai* (Tweedie, 1935)**

- 1935 *Squilla choprai* Tweedie, Bull. Raffles Mus., 10: 49-52, pl. I, figs. 1-5.
 1946 *Squilla choprai*, - Gurney, Proc. zool. Soc. Lond., 116: 145, fig. 7 [first larval stage, identified by hatching from eggs].

Distribution: Singapore (Port Swettenham, Selangor).

Depth range: littoral.

Habitat: mangrove swamps. - "... has been found in some numbers inhabiting burrows among the roots of mangrove trees at the water's edge..." (Tweedie, 1935: 49).

Colour note: Tweedie (1935: 51).

Size: ♀, 59mm.

***Clorida decorata* Wood-Mason, 1875**

- 1913 *Squilla decorata*, - Kemp, Mem. Indian Mus., 4 (1): 27-28, pl. 1, figs. 13-16.
 1921 *Squilla decorata*, - Kemp & Chopra, Mem. Indian Mus., Rec. Indian Mus., 22 (4): 299.
 1934 *Squilla decorata*, - Chopra, Rec. Indian Mus., 36: 21.
 1934 *Squilla decorata*, - Tweedie, Bull. Raffles Mus., 9: 34-35.
 1974 *Clorida decorata*, - Blumstein, Crustaceana, 26 (2): 115.
 1979 *Clorida decorata*, - Makarov, Crustaceana, 37 (1): 48-50, fig. 3.
 1988 *Clorida decorata*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 653-654.

Distribution: India (Sandheads, off mouth of Hughli River); Andaman Islands (Port Blair); Mergui Archipelago; Malaysia (Penang); Viet Nam (Gulf of Tonkin).

Depth range: 7-40m.

Habitat: "sandy and clayey mud" (Blumstein, 1974: 115).

Colour note: Tweedie (1934: 35) and Kemp (1913: 28).

Size: ♀, 15-83mm; ♂, 23-75mm.

***Clorida denticauda* (Chhapgar & Sane, 1967)**

- 1967 *Squilla denticauda* Chapgar & Sane, Crustaceana, 12 (1): 4-8, fig. 2.
 1988 *Squilla denticauda*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.

Distribution: India (Bombay).

Colour note: Chapgar & Sane (1967: 7).

Size: ♀, 40mm.

***Clorida depressa* (Miers, 1880)**

- 1880 *Chloridiella microphthalma* Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 14, pl. II, figs. 1-4 [has been provisionally named *C. depressa* on p. 15, not *S. microphthalma* H. Milne Edwards, 1837]
 1952 *Squilla depressa*, - Serène, Rec. Austr. Mus., 23 (1): 2, figs. 3-4, 9, 18, 21, pl. 1, figs. 3, 6, pl. 2, figs. 3, 6-10.
 1952 *Squilla depressa*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 8.
 1955 *Squilla depressa*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 240.
 1966 *Clorida depressa*, - Manning, Rec. Austr. Mus., 27: 86-87.

Distribution: Australia (Port Essington, Northern Territory; several Queensland localities).

Depth range: shallow water.

Habitat: ?muddy bottoms.
 Colour note: Stephenson (1952: 8).
 Size: ♂, 43-71mm; ♀, 62mm.

Clorida fallax (Bouvier, 1914)

- 1914 *Squilla fallax* Bouvier, C. r. hebd. Séanc. Acad. Sci., Paris, 169: 699.
 1915 *Squilla fallax*, - Bouvier, Bull. sci. Fr. Belg., 7e sér., 48 (3): 308-311, figs. 39-42.
 1926 *Squilla ambigua* Hansen, Siboga Exped. Monogr., 35: 6-8, pl. 1, fig. 2a-e.
 1955 *Squilla fallax*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 241.
 1968 *Clorida fallax*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 8-11, fig. 2.
 1979 *Clorida fallax*, - Makarov, Crustaceana, 37 (1): 39.
 1984 *Clorida fallax*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list., refs. Mauritius records].
 1991 *Clorida fallax*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 198-199.
 1992 *Clorida fallax*, - Richer de Forges & Moosa, Raffles Bull. Zool., 40 (2): 155, figs. 2, 5 [maps], fig. 6, tabs. 1-4.

Distribution: Red Sea; Mauritius; Comores (Lagon de Mayotte); Madagascar; Indo-Malayan region; Indonesia; Viet Nam (Tonkin Bay); Australia (New South Wales); Solomon Islands; New Caledonia; Chesterfield Islands.
 Depth range: 9-78m.
 Habitat: muddy bottoms.
 Colour note: Manning (1968: 11).
 Size: ♀, 17-39mm; ♂, 25-49mm.

Clorida gaillardi Moosa, 1985

- 1985 *Clorida gaillardi* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 396-399, fig. 9, tab. 1.
 1991 *Clorida gaillardi*, - Manning, Smiths. Contr. Zool., 521: 9, fig. 8.
 1991 *Clorida gaillardi*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 199.

Distribution: Malaysia (off Kerteh, Trengganu); Philippines; New Caledonia (St. Vincent Bay).
 Depth range: 36-48m.
 Habitat: 11-37m.
 Colour note: Moosa (1985: 397).
 Size: ♀, 62-90mm; ♂, 41-75mm.

Clorida granti (Stephenson, 1953)

- 1953 *Squilla granti* Stephenson, Austr. J. Mar. Freshw. Res., 4: 201-208, figs. 1-2.
 1955 *Squilla granti*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 240.

1962 *Squilla granti*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 33.

Distribution: Australia (Port Walcott, W-Australia; Moreton Bay, Gulf of Carpentaria, Queensland).

Depth range: 5-14.4m.

Habitat: "sand with occasional sponges and corals" (Stephenson, 1962: 33); muddy sand; sandy mudd.

Colour note: Stephenson (1953: 207, 1962: 33).

Size: ♀, 57-65mm; ♂, 39-49mm.

Clorida incerta (Hansen, 1926)

1926 *Squilla incerta* Hansen, Siboga Exped. Monogr., 35: 8-10, pl. I, fig. 3a-c.

Distribution: SE-Philippines.

Depth range: 59-83m.

Habitat: grey muddy sand, shells and *Lithothamnion*.

Size: ♀, 24mm.

Clorida inflata Moosa, 1991

1991 *Clorida inflata* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 199-202, fig. 13.

Distribution: New Caledonia (Lagoon).

Depth range: 12-70m.

Habitat: "on sandy mud bottom with foraminiferal sand and shell fragments" (Moosa, 1991: 202).

Colour note: Moosa (1991: 200).

Size: ♀, 30-45mm; ♂, 25-41mm.

Clorida japonica Manning, 1978

1978 *Clorida japonica* Manning, Smiths. Contr. Zool., 264: 25, fig. 12.

Distribution: Japan (Sanuki, Shikoku).

Size: ♀, 44mm.

Colour note: Manning (1978: 26).

Clorida jurichi Makarov, 1979

1979 *Clorida jurichi* Makarov, Crustaceana, 37 (1): 40-41, fig. 1.

1991 *Clorida jurichi*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 202.

Distribution: Vietnam (Tonkin Bay); New Caledonia (Lagoon).

Depth range: 18m.

Size: ♂, 21-22mm.

***Clorida juxtadecorata* Makarov, 1979**

1979 *Clorida juxtadecorata* Makarov, *Crustaceana*, 37 (1): 51, fig. 5.

Distribution: Vietnam (Tonkin Bay).

Depth range: 25-95m.

Size: ♀, 9.5-47mm; ♂, 33-47mm.

***Clorida latispina* Manning, 1968**

1930 *Squilla latreillei*, - Gravier, *Bull. Mus. natn. Hist. nat.*, Paris, ser. 2, 2 (5): 524 [non *C. latreillei* Eydoux & Souleyet, 1842].

1968 *Clorida latispina* Manning, *Proc. biol. Soc. Wash.*, 81: 247-249, fig. 3.

1974 *Clorida latispina*, - Blumstein, *Crustaceana*, 26 (2): 115.

1979 *Clorida latispina*, - Makarov, *Crustaceana*, 37 (1): 55.

1978 *Clorida latispina*, - Manning, *Smiths. Contr. Zool.*, 264: 26.

Distribution: Malaysia (Khota Bharu: Kelantan); off Hong Kong; Viet Nam (Cap St. Jacques, Tonkin).

Depth range: 30-62m.

Habitat: "black mud" (Manning, 1968: 247); "clayey sand, and clayey mud" (Blumstein, 1974: 115).

Size: ♀, 67-77.1mm; ♂, 61.7mm.

***Clorida latreillei* Eydoux & Souleyet, 1842**

1841 *Clorida latreillei* Eydoux & Souleyet, *Voyage autour du monde executé pendant les années 1836 et 1837...*, *Zool.* 1: 265-266, pl. 5, figs. 2-5.

1895 *Chloridella latreillei*, - Wood-Mason, *Figures and descriptions of nine species of Squillidae from the collection in the Indian Museum, Calcutta*, 1895: 7-8, pl. 4, figs. 6-13.

1913 *Squilla latreillei*, - Kemp, *Mem. Indian Mus.*, 4: 24-27, pl. 1, figs. 1-4.

1934 *Squilla latreillei*, - Chopra, *Rec. Indian Mus.*, 36: 20.

1952 *Squilla latreillei*, - Alikunhi, *Rec. Indian Mus.*, 49 (3): 273-277, figs. 11-13 [larvae, incl. final pelagic larva, identified through metamorphosis in laboratory].

1967 *Squilla latreillei*, - Alikunhi, *Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India*, 2: 883-889, figs. 132-145 [postlarva and juvenile, identified through metamorphosis in laboratory].

1971 *Clorida latreillei*, - Makarov, in: *Vodyanitzkii, Benthos of the Red Sea's shelf*: 143.

1974 *Clorida latreillei*, - Blumstein, *Crustaceana*, 26 (2): 116, fig. 3.

1974 *Clorida javanica* Moosa, *Treubia*, 28 (3): 76-79, figs. 2-3.

1975 *Clorida latreillei*, - Moosa, *Mar. Res. Indonesia*, 15: 11.

1979 *Clorida latreillei*, - Makarov, *Crustaceana*, 37 (1): 47-48.

1981 *Clorida latreillei*, - Tirmizi & Kazmi, *Pakistan J. Zool.*, 13 (1-2): 238 [in key], 244, fig. 6.

1984 *Clorida latreillei*, - Moosa & Cleva, *Mar. Res. Indonesia*, 24: 76-77.

1990 *Clorida latreillei*, - Manning, *Steenstrupia*, 16 (6): 100.

1991 *Clorida latreillei*, - Manning, *Smiths. Contr. Zool.*, 521: 9-10, fig. 9.

1992 *Clorida latreillei*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Widely distributed in the Indo-West Pacific.
- Red Sea; Persian Gulf; Mozambique; Madagascar (Bay at Cape Diego, Diego Suarez); India (Ganges Delta; Madras; Bengal); Indonesia (Java; Makassar Strait; Jakarta Bay; Thousand Islands; Madura Strait; Moluccas); Viet Nam (Gulf of Tonkin); Japan.

Depth range: 6-23m.

Habitat: "muddy sand, and mud" (Blumstein, 1974: 116);
"sand with mud and stones" (Manning, 1991: 9); sandy mud.

Colour note: Kemp (1913: 27).

Size: %, 15-90mm; &, 15-64mm.

***Clorida malaccensis* Manning, 1968**

1968 *Clorida malaccensis* Manning, Proc. biol. Soc. Wash., 81: 244-247, fig. 2.

1978 *Clorida malaccensis*, - Manning, Smiths. Contr. Zool., 264: 26-27.

1985 *Clorida malaccensis*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 399-400.

1991 *Clorida malaccensis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 202-203.

Distribution: Madagascar (Nosy Mitsio); Indonesia (Moluccas; Strait of Malacca; off Aru); Arafura Sea; Philippines; New Caledonia (Lagoon).

Depth range: 29-90m.

Habitat: "muddy sand"; "on mud and fine shelly grit", "on mud and sand" (Manning, 1978: 27)..

Colour note: Manning (1968: 245).

Size: %, 32-57mm; &, 22-55.8mm.

***Clorida mauiana* (Bigelow, 1931)**

1931 *Squilla mauiana* Bigelow, Bull. Mus. Comp. Zoöl., Harvard, 72 (4): 177-182, fig. 10.

1968 *Squilla mauiana*, - Bull. mar. Sci., 18 (1): 124 [list].

1968 *Clorida mauiana*, - Manning, Proc. U.S. natn. Mus., 124: 5 [key].

1978 *Clorida mauiana*, - Manning, Smiths. Contr. Zool., 272: 215-219, fig. 1.

1989 *Clorida mauiana*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 245, tab. I.

Distribution: E-Pacific. - Hawaii (Auau Channel, between Maui and Lanai); Santa Cruz Islands (Vanikoro Islands); Mexico (Puerto Escondido, Baja California).

Depth range: 26-79m.

Habitat: "sand and gravel"; "sand and coral" (Manning, 1976: 215-216); muddy sand.

Size: %, 17-21mm; &, 27mm.

***Clorida microphthalma* (H. Milne Edwards, 1837)**

- 1837 *Squilla microphthalma* H. Milne Edwards, Histoire Naturelle des Crustacés, comprenant l'anatomie, la physiologie et la classification de ces animaux, 2: 523.
- 1913 *Squilla microphthalma*, - Kemp, Mem. Indian Mus., 4: 31-33, pl. 1, figs. 17-20.
- 1921 *Squilla microphthalma*, - Kemp & Chopra, Rec. Indian Mus., (4) 22 (22): 299.
- 1941 *Squilla microphthalma*, - Holthuis, Temminckia, VI: 242.
- 1952 *Squilla microphthalma*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 350.
- 1962 *Squilla microphthalma*, - Stephenson, J. Roy. Soc. W. Austr., 45 (2): 39-42, fig. 2a, d; pl. 1, figs. E-G [references].
- 1966 *Clorida microphthalma*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 44-45, fig. 3A-C.
- 1966 *Squilla microphthalma*, - Manning, Rec. Austr. Mus., 27: 87.
- 1968 *Clorida microphthalma*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 29-31, fig. 11 [references].
- 1974 *Clorida microphthalma*, - Blumstein, Crustaceana, 26 (2): 115.
- 1981 *Clorida microphthalma*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 245, fig. 7.
- 1990 *Clorida microphthalma*, - Manning, Steenstrupia, 16 (6): 100.
- 1991 *Clorida microphthalma*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 203-204.

Distribution: Widely distributed in the Indo-West Pacific. - off Zanzibar; Persian Gulf (Iraq: Strait of Hormuz, SE of Larak Island; United Arab Emirates); Pakistan (Karachi); India; Indonesia; E-Borneo (Samarinda); Vietnam (Gulf of Tonkin: Chan-Ka and Kon-be); China; Taiwan; Australia (Roebuck Bay, W-Australia; Fort Hill, Port Darwin, N-Australia); New Caledonia (Lagoon).

Depth range: 0-80m.

Habitat: "between tides on flats"; "between tides sand flat" (Stephenson, 1962: 40).

Colour note: Tirmizi & Manning (1968: 30).

Size: ♀, 31-89mm; ♂, 57-79mm.

***Clorida miersi* Manning, 1968**

- 1968 *Clorida miersi* Manning, Proc. U.S. natn. Mus., 124 (3641): 11-14, fig. 3.
- 1973 *Clorida miersi*, - Moosa, Mar. Res. Indonesia, 13: 22.
- 1974 *Clorida miersi*, - Moosa, Oceanol. Indonesia, 1: 16.
- 1984 *Clorida miersi*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 77.

Distribution: Madagascar (Banc de Pracel); Indonesia (Moluccas; Makassar Strait; Maluku waters).

Depth range: 49-65m.

Habitat: sandy and muddy bottoms.

Colour note: Manning (1968: 12-13).

Size: ♀, 32.8mm; ♂, 55mm.

***Clorida minor* (Jurich, 1904)**

- 1904 *Squilla minor* Jurich, Wiss. Ergebn. Dt. Tiefsee-Exped., 7: 364-366, pl. 25, figs. 4-4a; p. 6, pl. 1: figs. 4-4a separate.
- 1913 *Squilla minor*, - Kemp, Mem. Indian Mus., 4 (1): 40 [in discussion].
- 1968 *Squilla minor*, - Manning, Bull. mar. Sci., 18 (1): 131 [list, assigned to *Squilloides*].
- 1970 *Clorida fallax*, - Manning, Bull. Mus. natn. Hist. nat., Paris, ser. 2, 41 (6): 1430 [non *C. fallax* Bouvier, 1914].
- 1978 *Clorida minor*, - Manning, Smiths. Contr. Zool., 264: 27-28, fig. 13.

Distribution: Zanzibar; Madagascar.

Depth range: 10-50m.

Habitat: muddy sand.

Colour note: Manning (1978: 28).

Size: ♀, 16.5-23mm; ♂, 16mm.

***Clorida moluccensis* Moosa, 1973**

- 1973 *Clorida malaccensis* var. *moluccensis* Moosa, Mar. Res. Indonesia, 13: 19-22, fig. 3.
- 1991 *Clorida moluccensis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 204.

Distribution: Indonesia (Maluku waters); New Caledonia (Lagoon; St. Vincent Bay).

Depth range: 9-90m.

Habitat: "mud and fine shelly grit" (Manning, 1973: 19); "inhabiting mud, sand and shelly grit bottoms" (Moosa, 1991: 204).

Size: ♀, 69-72mm; ♂, 43-108mm.

***Clorida nazasaenzies* Garcia & Manning, 1982**

- 1982 *Clorida nazasaenzies* Garcia & Manning, Proc. biol. Soc. Wash., 95 (3): 538-540, fig. 2.
- 1991 *Clorida nazasaenzies*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 205.

Distribution: Philippines (Nazasa Bay, Zambales); New Caledonia (Lagoon).

Depth range: 3-48m.

Colour note: Garcia & Manning (1982: 540).

Size: ♀, 43mm.

***Clorida pelamidae* Blumstein, 1970**

- 1970 *Clorida pelamidae* Blumstein, Crustaceana, 18 (2): 220-222, figs. 2-3.
- 1974 *Clorida pelamidae*, - Blumstein, Crustaceana, 26 (2): 116.
- 1980 *Clorida thailandica* Naiyanetr, Stomatopoda of Thailand: 38, pl. 35, figs. a-b.
- 1983 *Clorida pelamidae*, - Naiyanetr & Türkay, Senckenbergiana biol., 63 (5/6)

(1982): 401-405, figs. 1-2.

Distribution: Thailand (Ko Si Chung, Chon Buri Province); Viet Nam (Gulf of Tonkin).

Depth range: 20-25m.

Habitat: "red mud" (Blumstein, 1970: 220); "red clayey mud" (Blumstein, 1974: 116).

Colour note: Naiyanetr & Türkay (1983: 404).

Size: ♂, 59mm.

Clorida rotundicauda (Miers, 1880)

1880 *Cloridella rotundicauda* Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 3 [list], 15, pl. 2, figs. 5-6.

1913 *Squilla rotundicauda*, - Kemp, Mem. Indian Mus., 4 (1): 33-34.

1931 *Chloridella rotundicauda*, - Schmitt, Lingnan Sci. J., 8 (1929): 130-132, pl. 16, figs. 3-5.

1979 *Clorida rotundicauda*, - Manning, Proc. biol. Soc. Wash., 92 (2): 394-396, fig. 1

Distribution: Malaysia (Port Swettenham, Selangor); Singapore (Serangoon River); Thailand (Phuket Island: Ao Nam-Bor); Taiwan; China (Tsimei, mainland near Amoy)

Habitat: mangrove swamps

Colour note: Schmitt (1931: 132).

Size: ♀, 20-79mm; ♂, 22-70mm.

Clorida seversi Moosa, 1973

1973 *Clorida seversi* Moosa, Mar. Res. Indonesia, 13: 22-24, fig. 4.

1979 *Clorida seversi*, - Makarov, Crustaceana, 37 (1): 54-55.

Distribution: Indonesia (Maluku waters); Vietnam (Tonkin Bay).

Depth range: 27-110m.

Habitat: "sand and rubble" (Moosa, 1973: 22).

Colour note: Moosa (1973: 23).

Size: ♀, 15-32mm.

Clorida verrucosa (Hansen, 1926)

1921 *Squilla microphthalma*, - Kemp & Chopra, Rec. Indian Mus., 22: 299 [part., non *S. microphthalma* H. Milne Edwards, 1837].

1926 *Squilla verrucosa* Hansen, Siboga Exped. Monogr., 35: 3, pl. 1, fig. 1.

1952 *Squilla merguensis* Tiwari & Biswas, Rec. Indian Mus., 49 (3-4): 350, fig. 1a.

1968 *Clorida merguensis*, - Manning, Proc. U.S. natn. Mus., 124: 5 [key].

1968 *Squilla merguensis*, - Manning, Bull. mar. Sci., 18 (1): 124 [list].

1972 *Clorida verrucosa*, - Anonymous, Oceanogr. Cruise Rep., Inst. mar. Res., Jakarta, 7: 27 [list].

1974 *Clorida merguensis*, - Blumstein, Crustaceana, 26 (2): 116-118, fig. 4.

1976 *Clorida merguensis*, - Manning, Beaufortia, 25 (318): 8-10, fig. 4.

- 1976 *Clorida verrucosa*, - Manning, Beaufortia, 318 (25): 10-13, fig. 5.
 1979 *Clorida merguiensis*, - Makarov, Crustaceana, 37 (1): 44, fig. 3.
 1985 *Clorida merguiensis*, - Moosa, Mém. Mus. natn. Hist. nat., Paris (ser. A, Zool.), 133: 400.
 1988 *Squilla merguiensis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 659.
 1991 *Clorida verrucosa*, - Manning, Smiths. Contr. Zool., 521: 10, figs. 10-11.
 1991 *Clorida merguiensis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 203.

Distribution: southern India; Malaysia; Mergui Archipelago (off Kabusa Island); Indonesia (Lesser Sunda Islands); Philippines; Vietnam (Gulf of Tonkin); Gulf of Siam; New Caledonia; Chesterfield Islands.

Depth range: 13-215m.

Habitat: coarse sand and mud; "muddy sand and clay, sandy mud" (Blumstein, 1974: 116).

Size: ♀, 20-45.5mm; ♂, 19-42mm.

***Cloridopsis* Manning, 1968**

- 1968 *Cloridopsis* Manning, Bull. mar. Sci., 18 (1): 128 [diagnosis, remarks].
 1968 *Cloridopsis*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 35 [diagnosis, remarks, key to species from Pakistan].
 1969 *Cloridopsis*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 139-141 [diagnosis, remarks].
 1974 *Cloridopsis*, - Manning, Steenstrupia, 3: 107 [remarks on genus, in text].

***Cloridopsis acquilonaris* Manning, 1978**

- 1910 *Squilla scorpio*, - Balss, Abh. Bayr. Akad. Wiss., suppl. 2, 2: 8 [part, non *C. scorpio* (Latreille, 1828)].
 1931 *Cloridella scorpio*, - Schmitt, Lignan Sci. J., 8 (1929): 133 [part, non *C. scorpio* (Latreille, 1828)].
 1978 *Cloridopsis acquilonaris* Manning, Smiths. Contr. Zool., 264: 28-30, fig. 14.

Distribution: China (Mui Hua, Foochow); Japan (Okayama Sea).

Colour note: Manning (1978: 29).

Size: ♀, 62-93mm; ♂, 46-89mm.

***Cloridopsis bengalensis* (Tiwari & Biswas, 1952)**

- 1952 *Squilla bengalensis* Tiwari & Biswas, Rec. Indian Mus., 49 (3-4): 352-353, fig. 1b-c.
 1973 *Squilla bengalensis*, - Tiwari & Ghosh, Proc. zool. Soc. Lond., 26: 33-37, fig. 1.
 1975 *Cloridopsis bengalensis*, - Tiwari & Ghosh, Proc. Zool. Soc., Calcutta, 26 (1973): 33, fig. 1.
 1976 ?*Clorida rotundicauda*, - Frith, Tantanasiriwong & Bhatia, Phuket Mar. Biol. Center, Res. Bull., 10: 14, 19, 35.

- 1979 *Cloridopsis bengalensis*, - Manning, Proc. biol. Soc. Wash., 92 (2): 396-397.
 1988 *Squilla bengalensis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 656.

Distribution: India (Salt Lakes near Calcutta, Lower Bengal; Piali River, Uttarbhag, Lower Bengal; River Godami, Sajnakhali, Sundarbans, Lower Bengal; Chandipore, Balasore Distr., Orissa; Krishna Estuary, Andhra Pradesh); Thailand (Phuket Island: Ao Nam-Bor).

Depth range: shallow water.

Habitat: estuarine habitats; mangrove swamps, found in a "long horizontal burrow about 10 centimeters below the surface" (Manning, 1978: 397).

Colour note: Tiwari & Ghosh (1973: 36).

Size: ♀, 105.5-121.4mm.

Cloridopsis dubia (H. Milne Edwards, 1837)

- 1967 *Squilla dubia*, - Manning, Crustaceana, 12 (1): 105.
 1955 *Squilla dubia*, - Lemos de Castro, Bolm. Mus. Nac. Rio de Janeiro, Zool., 128: 13-15, fig. 9, pl. II, fig. 34e, pl. XIII, fig. 45.
 1969 *Cloridopsis dubia*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 141-146, figs. 39b, 41 [synonymy].
 1972 *Cloridopsis dubia*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1974 *Cloridopsis dubia*, - Manning, Steenstrupia, 3: 107, fig. 3.
 1976 *Cloridopsis dubia*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 26 [unpublished manuscript].
 1976 *Cloridopsis dubia*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 161-162, figs. 4, 16, tabs. 1-2.
 1980 *Cloridopsis dubia*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 15.
 1983 *Cloridopsis dubia*, - Hendrickx & van der Heiden, Crustaceana, 44 (1): 109.
 1988 *Cloridopsis dubia*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 103-104, fig. 7.
 1989 *Cloridopsis dubia*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 243, 245, tab. I.
 1990 *Cloridopsis dubia*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 110, fig. 8.

Distribution: E-Pacific. - Mexico (Estero de Urías, Mazatlán Harbour, Sinaloa); El Salvador (Triunfo); entrance of Panama Canal; Colombia (Bahía Málaga; Buenaventura); Ecuador (Guayaquil; Isla Puna, mouth of Guayas River); Peru (Rio Tumbes). W-Atlantic. - South Carolina to Brazil (Santa Catarina); South Carolina; Georgia; Mexico; Guatemala; Dominican Republic; British Honduras; Cuba; Trinidad; Panamá; Colombia (Dept. Guajira: Bahía Portete); Venezuela; Brazil.

Depth range: 0-73m.

Habitat: usually on shallow mud flats on both sides of the American continent; salt lake, low tide near entrance of Panama Canal; mud; mouth of river; makes burrows in shallow coastal lagoons.

Colour note: Gore & Becker (1976: 161) and Manning (1969: 145).

Size: ♀, 35-155.5mm; ♂, 65-147mm.
 Additional synonymy: *Squilla rubrolineata*.

Cloridopsis gibba (Nobili, 1903)

- 1903 *Squilla* (*Chloridiella*) *gibba* Nobili, Boll. Mus. Torino, 18 (447): 30-31, fig. 3.
 1913 *Squilla gibba*, - Kemp, Mem. Indian Mus., 4 (1): 28-30, pl. 1, figs. 5-12.

Distribution: Borneo.
 Size: ♀, 76mm; ♂, 48mm.

Cloridopsis immaculata (Kemp, 1913)

- 1913 *Squilla scorpio* var. *immaculata* Kemp, Mem. Indian Mus., 4: 45, pl. 2, fig. 31.
 1915 *Squilla scorpio* var. *immaculata*, - Kemp, Mem. Indian Mus., 5: 193.
 1934 *Squilla scorpio* var. *immaculata*, - Tweedie, Bull. Raffles Mus., 9: 37.
 1968 *Cloridopsis immaculata*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 37-38, fig. 14f-g.
 1988 *Squilla scorpio* var. *immaculata*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 659.
 1991 *Cloridopsis immaculata*, - Manning, Smiths. Contr. Zool., 521: 10.

Distribution: Pakistan (off Karachi); India (Pratapnagar, Calcutta; Ghaga Nata, Mutlah River, near Calcutta; Saugor Island, mouth of Hughli River; Hughli estuary; Ganges delta); Burma (E of Terribles, Arakan coast); Singapore (Jurong).

Depth range: intertidal.

Habitat: mangrove swamps, brackish water; "traps in prawn ponds in mangrove swamps" (Manning, 1991: 10).

Size: 82-86mm.

Cloridopsis scorpio (Latreille, 1828)

- 1913 *Squilla scorpio*, - Kemp, Mem. Indian Mus., 4 (1): 42-44, pl. 2, fig. 30 [references].
 1915 *Squilla scorpio*, - Kemp, Philippine J. Sci., D, 10 (3): 170.
 1921 *Squilla scorpio*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 300.
 1934 *Squilla scorpio*, - Tweedie, Bull. Raffles Mus., 9: 36-37.
 1941 *Squilla scorpio*, - Holthuis, Temminckia, VI: 243-244 [references].
 1955 *Squilla scorpio*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 242.
 1968 *Cloridopsis scorpio*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 35-37, fig. 14a-e [references].
 1974 *Cloridopsis scorpio*, - Blumstein, Crustaceana, 26 (2): 118.
 1975 *Cloridopsis scorpio*, - Moosa, Mar. Res. Indonesia, 15: 11.
 1975 *Cloridopsis scorpio*, - Dutt & Ravindranath, Proc. Indian Acad. Sci., 81B (2): 64, figs. 19-24.
 1977 *Cloridopsis scorpio*, - Manning, Rev. Suisse Zool., 84 (2): 287.
 1981 *Cloridopsis scorpio*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 248, fig. 10.

Distribution: Indo-West Pacific. - Pakistan (off Karachi); India (Anhra Pradesh); Singapore (Changi, Siglap); Indonesia (Makassar; Pasar Ikan river mouth; Jakarta Bay; Java); E-Borneo; Viet Nam (Gulf of Tonkin); Philippines (Bantayan: Cebu); ?Australia.

Depth range: 10-20m.

Habitat: mud and muddy sand.

Colour note: Tirmizi & Manning (1968: 37) and Kemp (1913: 44).

Size: ♀, 81-102mm; ♂, 21-109mm.

***Cloridopsis terrareginensis* Stephenson, 1953**

1953 *Squilla terrareginensis* Stephenson, Austr. J. Mar. Freshw. Res., 4: 208-213, figs. 3A-B.

1955 *Squilla terrareginensis*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 242.

1962 *Squilla terrareginensis*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.

Distribution: Australia (N-Queensland: mouth of Barron River; Cooktown).

Depth range: shallow water.

Colour note: Stephenson (1953: 211-212).

Size: ♀, 75-92mm; ♂, 54-88mm.

***Crenatosquilla* Manning, 1984**

1984 *Crenatosquilla* Manning, Proc. biol. Soc. Wash., 97 (1): 191-192 [diagnosis, remarks].

***Crenatosquilla oculinova* (Glassell, 1942)**

1942 *Squilla oculinova* Glassell, Proc. U.S. natn. Mus., 92 (3138): 53-56, fig. 7.

1972 *Meiosquilla oculinova*, - Manning, Zoologica, N.Y., 56 (1971): 16.

1976 *Meiosquilla oculinova*, - Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1.

1980 *Meiosquilla oculinova*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 16.

1984 *Crenatosquilla oculinova*, - Manning, Proc. biol. Soc. Wash., 97 (1): 191-192.

1990 *Crenatosquilla oculinova*, - Camp & Kuck, Proc. biol. Soc. Wash., 103 (4): 850.

Distribution: E-Pacific. - Mexico (Bahía Chamela; off Manzanillo; Chamela Bay); Costa Rica (Isla del Coco, off Costa Rica: E side of Isla Manuelita); Panamá (Pinas Bay); Colombia (Bahía Solano); Ecuador (Isla La Plata); mainland and nearshore islands.

Depth range: 0-23mm.

Habitat: in a variety of habitats, "usually holes in and under rock, shell, or coral rubble" Reaka & Manning (1980: 16).

Colour note: Glassell (1942: 56) and Reaka & Manning (1980: 16)

Size: ♀, 9-31mm; ♂, 14-36mm.

Remarks: note on behaviour in Reaka & Manning (1980: 16).

***Dictyosquilla* Manning, 1968**

- 1968 *Dictyosquilla* Manning, Bull. mar. Sci., 18 (1): 131-133 [diagnosis, remarks].

***Dictyosquilla foveolata* (Wood-Mason, 1895)**

- 1895 *Squilla foveolata* Wood-Mason, Figures and descriptions of nine species of Squillidae from the collection of the Indian Museum, Indian Museum, Calcutta: 2, pl. 2, fig. 1.
 1913 *Squilla foveolata*, - Kemp, Mem. Indian Mus., 4 (1): 58-60, pl. IV, fig. 48.
 1931 *Chloridiella foveolata*, - Schmitt, Lingnan Sci. J., 8 (1929): 133, pl. 16, figs. 1-2.
 1949 *Squilla foveolata*, - Liu, Contr. Inst. Zool., Natn. Acad. Peiping, 5 (1): 30, pl. IV, figs. 4-5.
 1955 *Squilla foveolata*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 243.
 1966 *Squilla foveolata*, - Manning, Rec. Austr. Mus., 27: 93.
 1974 *Dictyosquilla foveolata*, - Blumstein, Crustaceana, 26 (2): 118.
 1988 *Squilla foveolata*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.

Distribution: China; Burma; Viet Nam (Gulf of Tonkin); Hong Kong; Australia (Queensland).
 Depth range: 5-84m.
 Habitat: mud.
 Size: ♀, >77mm; ♂, 67-108mm.

***Distosquilla* Manning, 1977**

- 1977 *Distosquilla* Manning, Proc. biol. Soc. Wash., 90 (2): 421-422 [diagnosis, remarks].

***Distosquilla miles* (Hess, 1865)**

- 1865 *Squilla miles* Hess, Arch. Naturgesch., 31: 169, pl. VII, fig. 21.
 1883 *Squilla pectinata* Tate, Trans. Roy. Soc. S. Austr., VI (1883): 50, pl. II, fig. 2.
 1913 *Squilla miles*, - Kemp, Mem. Indian Mus., 4 (1): 36-37.
 1923 *Squilla miles*, - Odhner, Medd. Göteborg. Mus. Zool., 30: 3-5, figs. 1-3.
 1924 *Squilla miles*, - Hale, Rec. S. Austr. Mus., 2: 492-495, fig. 381a-i, pl. 32, fig. 1.
 1955 *Squilla miles*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 241.
 1962 *Squilla miles*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 34.

Distribution: S- and W-Australia (Gulf of St. Vincent; near Albany, Cape Riche; Shark Bay; reef off Busselton; Cottesloe).
 Depth range: 1.5-5.4m.
 Habitat: found in rockpools and estuaries.

Size: juv., 30mm; ♀, 90mm; other adult specimen, 172mm.

Remarks: was found in the stomach of a fiddle-ray (Stephenson, 1962: 34).

***Fennerosquilla* Manning & Camp, 1983**

1983 *Fennerosquilla* Manning & Camp, Proc. biol. Soc. Wash., 96 (2): 317-322 [diagnosis, remarks].

***Fennerosquilla heptacantha* (Chace, 1939)**

1939 *Chloridiella heptacantha* Chace, Mem. Soc. Cubana Hist., 13 (1): 52.

1969 *Squilla heptacantha*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 171-175, figs. 47, 48a [references].

1983 *Fennerosquilla heptacantha*, - Manning & Camp, Proc. biol. Soc. Wash., 96 (2): 317-322, fig. 1.

1991 *Fennerosquilla heptacantha*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].

Distribution: tropical NW-Atlantic. - Bahamas; Florida; Straits of Florida; ; Honduras; Panamá; Cuba; Dominican Republic; Puerto Rico; Virgin Islands.

Depth range: 183-458m.

Colour note: Manning (1969: 175).

Size: ♀, 36.7-93.4mm; ♂, 60.2-99.5mm.

***Kempina* Manning, 1978**

1978 *Kempina* Manning, Smiths. Contr. Zool., 272: 39-40 [diagnosis, remarks].

1981 *Kempina*, - Manning, Senckenbergiana biol., 61 (3/4) (1980): 299-300 [K. *mikado* and *zanzibarica* are treated as separate species].

***Kempina mikado* (Kemp & Chopra, 1921)**

1913 *Squilla stridulans*, - Kemp, Mem. Indian Mus., 4 (1): 78-80, [part, Japanese specimen only, non *S. stridulans* Wood-Mason, 1894].

1921 *Squilla mikado* Kemp & Chopra, Rec. Indian Mus., (4) 22 (22): 301-303, fig. 2.

1927 *Squilla mikado*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 3 (3): 320-321.

1930 *Squilla mikado*, - Komai & Tung, Annot. Zool. Japon., 13 (1): 13-14.

1939 *Squilla zanzibarica* Chopra, Sci. Rep. John Murray Exped., 6 (3): 143-148, figs. 2, 4.

1950 *Squilla mikado*, - Barnard, Ann. S. Afr. Mus., 38: 839 [list], 842 [key and footnote].

1965 *Squilla mikado*, - Manning, Crustaceana, 9 (3): 257-259, pl. 12, fig. a.

1969 *Oratosquilla mikado*, - Manning, Smiths. Contr. Zool., 1: 15.

1974 *Kempina mikado*, - Blumstein, Crustaceana, 26 (2): 119.

1978 *Kempina mikado*, - Manning, Smiths. Contr. Zool., 272: 40, fig. 24.

1981 *Kempina zanzibarica*, - Manning, Senckenbergiana biol., 61 (3/4) (1980): 298-300, fig. 1.

1984 *Kempina mikado*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 77-78.

- 1985 *Kempina mikado*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 400-402, fig. 10.
- 1986 *Kempina zanzibarica*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 14-15.
- 1988 *Squilla mikado*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 658.
- 1991 *Kempina mikado*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].
- 1991 *Kempina mikado*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 205.
- 1992 *Oratosquilla mikado*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Red Sea (Gulf of Aqaba; Sudan: off Ras Abu Shagara); off Zanzibar; Mozambique; South Africa (off Durban); Indonesia (Makassar Strait); Vietnam (Tonkin Bay); Philippines; Japan (Misaki Harbor; Kamekisho and off Hayama, Sagami Bay); Chesterfield Islands.

Depth range: 58-804m.

Habitat: clayey sand" (Blumstein, 1974: 119); "is a sublittoral species occurring on soft bottoms on the outer shelf and upper slope" (Manning, 1981: 300); green and soft mud.

Colour note: (Manning, 1965: 258-259, also photo on pl. XII, fig. a); further note in Chopra (1939: 147).

Size: ♀, 48-148mm; ♂, 46-142mm.

***Kempina stridulans* (Wood-Mason, 1894)**

- 1913 *Squilla stridulans*, - Kemp, Mem. Indian Mus., 4 (1): 78-80, pl. V, fig. 66 [part, not Japanese specimens, = *K. mikado*].
- 1921 *Squilla stridulans*, - Kemp & Chopra, Rec. Indian Mus., (4) 22 (22): 301-303, fig. 1 [in comparison with *S. mikado*].
- 1973 *Oratosquilla stridulans*, - Ghosh, Crustaceana, 24 (1): 144.
- 1985 *Kempina stridulans*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 402-403 [distinguishing features to the closely allied *K. mikado*].
- 1988 *Squilla stridulans*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 659.
- 1991 *Kempina stridulans*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].

Distribution: Gulf of Aden; off India; India (Masulipatam coast; Madras; Orissa); Philippines.

Depth range: 166-439m.

Habitat: "bottom soft brown mud" (Ghosh, 1973: 144).

Size: ♀, 49.2-111.5mm; ♂, 51.6-54mm.

***Lenisquilla* Manning, 1977**

- 1977 *Lenisquilla* Manning, Proc. biol. Soc. Wash., 90 (2): 422 [diagnosis, remarks].

***Lenisquilla gilesi* (Kemp, 1911)**

- 1911 *Squilla gilesi* Kemp, Rec. Indian Mus., 6: 95.
- 1913 *Squilla gilesi*, - Kemp, Mem. Indian Mus., 4: 39-41, pl. II, figs. 25-27.

- 1934 *Squilla gilesi*, - Chopra, Rec. Indian Mus., 36: 22-23, fig. 1.
 1939 *Squilla gilesi*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 142-143, fig. 1.
 1967 *Squilla gilesi*, - Holthuis, Isr. J. Zool., 16: 3-5, fig. 1.
 1968 *Squilla gilesi*, - Manning, Bull. mar. Sci., 18 (1): 131 [list].
 1971 *Squilloides gilesi*, - Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 143-146, fig. 61.
 1977 *Squilloides gilesi*, - Makarov, Biol. Morya, Vladivostok, 3: 16-17, fig. 2A-B.
 1977 *Squilloides gilesi*, - Manning, Proc. biol. Soc. Wash., 90 (2): 422 [text].
 1981 *Lenisquilla gilesi*, - Manning, Senckenbergiana biol., 61 (3/4) (1980): 300-301, fig. 2.
 1988 *Squilla gilesi*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.
 1990 *Lenisquilla gilesi*, - Manning, Steenstrupia, 16 (6): 100.

Distribution: Red Sea (Saudi Arabia: off Ras el Aswad; Dahlak Archipelago: near Massawa and N of Museri Island); Gulf of Oman; Persian Gulf; India (off Madras, Madras, off Orissa; NE Bay of Bengal).

Depth range: 64-201m.

Habitat: soft green mud; green mud.

Colour not: Holthuis (1967: 5).

Size: ♀, 22-69mm; ♂, 25-78mm.

***Lenisquilla lata* (Brooks, 1886)**

- 1886 *Squilla lata* Brooks, Sci. Rep. H.M.S. Challenger, (Zool.), 16: 34-37, pl. 3, figs. 1-3.
 1913 *Squilla lata*, - Kemp, Mem. Indian Mus., 4: 37-39, pl. 2, fig. 24.
 1952 *Squilla lata*, - Alikunhi, Rec. Indian Mus., 49 (3): 280-285, figs. 15-16 [larvae, incl. last pelagic stage, identified through metamorphosis in laboratory].
 1967 *Squilla lata*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 892-893 [postlarva, identified through metamorphosis in laboratory].
 1969 *Squilloides lata*, - Manning, Smiths. Contr. Zool., 1: 13-14, fig. 4.
 1970 *Squilloides latus spinosus* Blumstein, Crustaceana, 18 (2): 223-224, figs. 4-5.
 1974 *Squilloides espinosus* Blumstein, Crustaceana, 26 (2): 121, fig. 7.
 1984 *Lophosquilla tiwarii*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 78 [error for *Lenisquilla lata*].
 1986 *Lenisquilla spinosa*, - Moosa, Mém. Mus. natn. Hist. nat., Paris, ser. A (Zool.), 133: 403.
 1991 *Lenisquilla lata*, - Manning, Smiths. Contr. Zool., 521: 10-11, fig. 12.
 1992 *Squilloides lata*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Red Sea; Mozambique; Arafura Sea; Gulf of Martaban; Burma; Indonesia (Arafura Sea, the Java Sea; Makassar Strait); Vietnam; Mozambique.

Depth range: 60-150m.

Size: ♀, 37mm; ♂, 27mm; according to Brooks, total length 64-82mm.

***Lenisquilla pentadactyla* Moosa, 1991**

- 1991 *Lenisquilla pentadactyla* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 205-207, fig. 14.

Distribution: New Caledonia (Lagoon).

Depth range: 135-150m.

Size: ♀, 37mm.

***Lenisquilla spinosa* (Blumstein, 1970)**

- 1913 *Squilla lata*, - Kemp, Mem. Indian Mus., 4 (1): 37-39, pl. II, fig. 24 [not *Squilla lata* Brooks, 1886].
- 1970 *Squilloides latus spinosus* Blumstein, Crustaceana, 18 (2): 223-224, figs. 4-5.
- 1974 *Squilloides latus*, - Blumstein, Crustaceana, 26 (2): 123.
- 1974 *Squilloides espinosus* Blumstein, Crustaceana, 26 (2): 121-122, fig. 7.
- 1985 *Lenisquilla spinosa*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 403-404.

Distribution: Burma (Gulf of Martaban); Vietnam (Tonkin Bay); Philippines.

Depth range: 70-200m.

Habitat: mud; muddy sand bottom; "muddy and clayey sand" (Blumstein, 1974: 123).

Size: ♀, 29-76mm; ♂, 40-87mm.

***Leptosquilla* Miers, 1880**

- 1967 *Leptosquilla*, - Holthuis, Isr. J. Zool., 16: 13 [remarks].
- 1968 *Leptosquilla*, - Manning, Bull. mar. Sci., 18 (1): 121-122 [diagnosis, remarks].

***Leptosquilla schmeltzii* (A. Milne Edwards, 1873)**

- 1873 *Squilla schmeltzii* A. Milne Edwards, J. Mus. Godeffroy, 1 (4): 11, pl. 2, fig. 7.
- 1913 "*Leptosquilla schmeltzii*", - Kemp, Mem. Indian Mus., 4: 93-94 [references].
- 1926 *Squilla schmeltzii*, - Hansen, Siboga Exped. Monogr., 35: 14-15, pl. I, fig. 5a-b.
- 1941 *Squilla schmeltzii*, - Holthuis, Temminckia, VI: 257-261, fig. 2.
- 1967 *Leptosquilla schmeltzii*, - Holthuis, Isr. J. Zool., 16: 13-14.
- 1970 *Leptosquilla schmeltzii*, - Manning, Bull. Mus. natn. Hist. nat., Paris, 2e sér., 41 (6) (1969): 1430, tab. 1, 1433-1434.
- 1984 *Leptosquilla schmeltzii*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 38-39.
- 1986 *Leptosquilla schmeltzii*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 15.
- 1990 *Leptosquilla schmeltzii*, - Manning, Steenstrupia, 16 (6): 100-101.
- 1991 *Leptosquilla schmeltzii*, - Moosa, Stomatopoda, in: Le benthos des fonds

meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 207-208.

Distribution: Red Sea (Gulf of Aqaba; South Massawa Channel); Madagascar; Mauritius; La Réunion; Persian Gulf (Saudi Arabia: Tarut Bay); Andaman Islands; Indonesia (Lesser Sunda Islands); New Caledonia (Lagoon); Samoa.

Depth range: 11-45m.

Habitat: inhabits muddy or fine sand bottoms; "muddy sand"; "mud, with gravel of organic origin (shells)" (Manning, 1970: 1430, tab. 1).

Colour note: Moosa (1991: 208) and Holthuis (1941: 260).

Size: ♀, 9-23mm; ♂, 18-25mm.

***Levisquilla* Manning, 1977**

1977 *Levisquilla* Manning, Proc. biol. Soc. Wash., 90 (2): 422-423 [diagnosis, remarks].

***Levisquilla armata* Garcia & Manning, 1982**

1982 *Levisquilla armata* Garcia & Manning, Proc. biol. Soc. Wash., 95 (3): 540-542, fig. 3.

Distribution: Philippines.

Depth range: 82-128m.

Size: ♀, 21-44.5mm; ♂, 22-50mm.

***Lophosquilla* Manning, 1968**

1968 *Lophosquilla* Manning, Bull. mar. Sci., 18 (1): 133 [diagnosis, remarks].

1981 *Lophosquilla*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 19 [diagnosis, remarks].

***Lophosquilla costata* (de Haan, 1844)**

1844 *Squilla costata* de Haan, Crustacea, in: Siebold, Fauna japonica, pl. II, fig. 5.

1844 *Squilla costata* de Haan, Crustacea, in: Siebold, Fauna japonica, 223 [text].

1861 *Squilla costata*, - Herklots, Tijdschr. Ent., 4: 152.

1909 *Squilla costata*, - Fukuda, Zool. Mag. Japan, 21: 171, pl. 3, fig. 3.

1913 *Squilla costata*, - Kemp, Mem. Indian Mus., 4: 84, pl. 6, figs. 70-72.

1921 *Squilla costata*, - Kemp & Chopra, Rec. Indian Mus., 22: 303.

1923 *Squilla costata*, - Odhner, Göteb. Vetensk. Samh. Handl., 27 (4): 6.

1927 *Squilla costata*, - Komai, Mem. Coll. Sci. Kyoto Imp. Univ., ser. B, vol. 3: 321.

1933 *Squilla costata*, - Gravier, Bull. Mus. Hist. nat., Paris, ser. 2, 5: 77, figs. 1-2.

1937 *Squilla costata*, - Serène, Inst. Océanogr. Indochine, note 30: 68.

1938 *Squilla costata*, - Komai, Annot. Zool. Japon, 17: 267.

1941 *Squilla costata*, - Holthuis, Temminckia, VI: 256 [references].

1952 *Squilla costata*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3): 354, fig. 2a,

c, d, f, h.

- 1966 *Squilla costata*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 46-47.
 1968 *Lophosquilla costata*, - Manning, Bull. mar. Sci., 18 (1): 133.
 1981 *Lophosquilla costata*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 19-21.

Distribution: Philippines; Japan; Taiwan.

Depth range: 28-37m.

Habitat: on sandy-muddy bottoms.

Colour note: Lee & Wu (1966: 46).

Size: %&, 60-79mm.

***Lophosquilla lirata* (Kemp & Chopra, 1921)**

- 1921 *Squilla lirata* Kemp & Chopra, Rec. Indian Mus., 22: 303-307, figs. 3-4.
 1934 *Squilla lirata*, - Chopra, Rec. Indian Mus., 36: 38-39.
 1934 *Squilla lirata*, - Tweedie, Bull. Raffles Mus., 9: 39-40.
 1970 *Carinosquilla lirata*, - Shanbogue, J. mar. biol. Ass. India, 12 (1-2): 199-200, pl. I, fig. 4.
 1975 *Carinosquilla lirata*, - Moosa, Mar. Res. Indonesia, 15: 10.
 1988 *Lophosquilla lirata*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 658.

Distribution: India (Madras); Malaysia; Singapore; Indonesia (Pasar Ikan fishmarket).

Colour note: Shanbogue (1970: 199).

Size: %, 51-77mm; &, 69-80.5mm.

***Lophosquilla paulocarinata* Blumstein, 1972**

- 1972 *Lophosquilla paulocarinata* Blumstein, Crustaceana, 22 (1): 64-66, fig. 1.

Distribution: off Seychelles.

Depth range: 40-70m.

Habitat: sand and shells.

Size: &, 58mm.

***Lophosquilla tiwarii* Blumstein, 1974**

- 1913 *Squilla costata*, - Kemp, Mem. Indian Mus., 4 (1): 84-86, pl. IV, figs. 70-72 [specimens from Burma only, not *Squilla costata* de Haan, 1844].
 1952 *Squilla* sp. prox. *costata*, - Tiwari & Biswas, Rec. Indian Mus., 49 (3-4): 354-355, fig. 2b, e, g, j.
 1974 *Lophosquilla tiwarii* Blumstein, Crustaceana, 26 (2): 404-405, fig. 8.
 1978 *Lophosquilla tiwarii*, - Balasubrahmanyam, Current Sci., 47 (5): 175-176.
 1981 *Lophosquilla costata*, - Garcia, Nat. Mus. Manila, Philippines, Nat. Pap., 6: 19-22.
 1986 *Lophosquilla tiwarii*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 404-405.
 1988 *Lophosquilla tiwarii*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655.
 1991 *Lophosquilla tiwarii*, - Manning, Smiths. Contr. Zool., 521: 11-12.

Distribution: Bay of Bengal, Sri Lanka-Calcutta; Burma (Mergui Archipelago, off Kabosa Island); Indonesia; Vietnam (Tonkin Bay); Philippines.

Depth range: 36-187m.

Habitat: mud; "clay and sandy mud" (Blumstein, 1974: 123).

Size: ♀, 44-66mm; ♂, 51.5-55mm.

***Meiosquilla* Manning, 1968**

1968 *Meiosquilla* Manning, Bull. mar. Sci., 18 (1): 125-127 [diagnosis, remarks].

1969 *Meiosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 100-103 [diagnosis, remarks, key to W-Atlantic species].

1977 *Meiosquilla*, - Manning, Atlantide Rep., 12: 117 [remarks].

1984 *Meiosquilla*, - Hendrickx, Rev. Biol. Trop., 32 (2): 272-273 [remarks on E-Pacific species].

***Meiosquilla dawsoni* Manning, 1970**

1970 *Meiosquilla dawsoni* Manning, Proc. biol. Soc. Wash., 83 (8): 102-104, fig. 3.

1972 *Meiosquilla dawsoni*, - Manning, Zoologica, N.Y., 56: 103.

1974 *Meiosquilla dawsoni*, - Manning, Steenstrupia, 3: 108.

1980 *Meiosquilla dawsoni*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 15-16.

1989 *Meiosquilla dawsoni*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 243, 245, tab. I.

Distribution: E-Pacific. - Gulf of California; Mexico (off Guaymas); Costa Rica (Puerto Culebra; Puerto Jimenez); Panama (Balboa; Fort Amador Causeway; Taboga).

Depth range: 0-32m.

Habitat: shores of the mainland; "occurs on a wide range of substrate types (including sand, mud, or among rocks)... and can tolerate low salinities, as indicated by its occurrence in a stream" (Reaka & Manning, 1980: 15).

Colour note: Manning (1970: 104).

Size: ♀, 19-47mm.

***Meiosquilla lebouri* Gurney, 1946**

1946 *Alima lebouri* Gurney, Proc. zool. Soc. Lond., 116 (1): 137, figs. 1-3 [last pelagic larval stage, postlarva and juvenile, identified through metamorphosis in laboratory].

1969 *Meiosquilla lebouri*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 119-122, fig. 35.

1986 *Meiosquilla lebouri*, - Manning, in: Sterrer, Marine fauna and flora of Bermuda; Wiley Intersci. Publ.: 310, pl. 98, fig.

Distribution: subtropical and tropical NW-Atlantic. - Bermuda; Bahamas; St. Lucia; off Saba.

Depth range: sublittoral-82m.

Colour note: Manning (1969: 121).

Size: ♀, 14-22mm; ♂, 13-21mm.

Meiosquilla polita (Bigelow, 1891)

- 1891 *Squilla polita* Bigelow, John Hopkins Univ. Circ., 10 (88): 93-94.
 1894 *Squilla polita*, - Bigelow, Proc. U.S. natn. Mus., 17: 513-515, fig. 8.
 1913 *Squilla polita*, - Kemp, Mem. Indian Mus., 4 (1): 201.
 1931 *Squilla polita*, - Bigelow, Bull. Mus. Comp. Zoöl., LXXII (4): 182-183.
 1940 *Squilla polita*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 146, fig. 2 [references].
 1972 *Meiosquilla polita*, - Manning, Zoologica, N.Y., 56: 101.

Distribution: E-Pacific, from Monterey Bay, California, to off Abreojos Point, Lower California, Mexico.

Depth range: 41-166m.

Colour note: Bigelow (1894: 515).

Size: ♀, 48mm; up to 63mm.

Meiosquilla quadridens (Bigelow, 1893)

- 1894 *Squilla quadridens*, - Bigelow, Proc. U.S. natn. Mus., 17: 511-513, 546, figs. 27-28 [larvae].
 1961 *Squilla quadridens*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 14-16, pl. 3, figs. 1-2.
 1969 *Meiosquilla quadridens*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 106-111, figs. 31, 33a [references].
 1971 *Meiosquilla quadridens*, - Camp, Proc. biol. Soc. Wash., 84 (15): 125 [list].
 1972 *Meiosquilla quadridens*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1973 *Meiosquilla quadridens*, - Camp, Mem. Hourglass Cruises, 3 (2): 18-24, fig. 6, tab. 4.
 1976 *Meiosquilla quadridens*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 27 [unpublished manuscript].
 1976 *Meiosquilla quadridens*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 162, figs. 5, 16, tabs. 1-2.
 1989 *Meiosquilla quadridens*, - Holmquist, Powell & Sogard, Bull. mar. Sci., 44 (1): 255, tab. 2 [ecology, seagrass-covered mud banks].
 1990 *Meiosquilla quadridens*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 106-108, fig. 4.

Distribution: W-Atlantic. - North Carolina; Florida (north to Cape Canaveral; Indian River region); Gulf of Mexico; Bahamas; Colombia (Cabo de la Vela, Guajira; Santa Marta); off Venezuela; British Guiana; Surinam.

Depth range: littoral-137m.

Habitat: "cascajo de coral" (Werding & Müller, 1990: 106).

Colour note: Gore & Becker (1976: 162).

Size: ♀, 14-33mm; ♂, 18-30mm.

Remarks: Camp (1973: 20) gives several records from the stomach of fishes in the Gulf of Mexico: *Holocentrus bullisi*; *Lepophidium jeannae*; *Prinotus alatus*; *Scorpaena brasiliensis*; *Syacium papillosum*; *Synodus intermedius*; *Urophysis regius*.

***Meiosquilla randalli* Manning, 1962**

1962 *Squilla randalli* Manning, Proc. biol. Soc. Wash., 75: 218-219.

1969 *Meiosquilla randalli*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 103-106, fig. 30.

Distribution: tropical W-Atlantic. - Florida; Honduras; Virgin Islands (St. John).

Depth range: 5-55m.

Colour note: Manning (1969: 105).

Size: ♀, 38.7mm; ♂, 24-36mm.

***Meiosquilla schmitti* (Lemos de Castro, 1955)**

1941 *Squilla quadridens*, - Holthuis, Zool. Meded., 23: 32.

1955 *Squilla schmitti* Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 8-13, figs. 5-8, pl. 1, figs. 32-33.

1961 *Squilla schmitti*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 17-18, pl. 3, figs. 3-4.

1966 *Squilla schmitti*, - Manning, Ann. Inst. océanogr. Monaco, 44: 367-369, fig. 4.

1969 *Meiosquilla schmitti*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 111-114, figs. 32, 33b.

1972 *Meiosquilla schmitti*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].

1973 *Meiosquilla schmitti*, - Camp, Mem. Hourglass Cruises, 3 (2): 24-26, fig. 8, tab. 5.

1976 *Meiosquilla schmitti*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 28 [unpublished manuscript].

1976 *Meiosquilla schmitti*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 65-66.

1976 *Meiosquilla schmitti*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 163, fig. 16, tabs. 1-2.

1990 *Meiosquilla schmitti*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 108-109, fig. 5.

Distribution: W-Atlantic. - Florida; Gulf of Mexico (Texas; Yucatan Peninsula); Bahamas; Colombia (Cabo de la Vela; Santa Marta area: Punta de Betín; Bahía de Gairaca); Venezuela; Brazil (Recife; off Mogiquiçaba; Abrolhos Islands; Rio de Janeiro Bay).

Depth range: sublittoral-40m.

Habitat: "cascajo de cora" (Werdling & Müller, 1990: 108).

Colour note: Manning (1969: 113-114); further note in Manning (1966: 367).

Size: ♀, 14.7-32.5mm; ♂, 14.4-26.5mm; postlarva, 13mm.

Remarks: Camp (1973: 24) gives some records from the stomachs of fishes: *Lutjanus synagris*; *Prionotus pectoralis*; *Scorpaena brasiliensis*; *Syacium papillosum*.

***Meiosquilla swetti* (Schmitt, 1940)**

- 1940 *Squilla swetti* Schmitt, Allan Hancock Pac. Exped., 5: 146-149, fig. 3.
 1972 *Meiosquilla swetti*, - Manning, Zoologica, N.Y., 56: 102.
 1974 *Meiosquilla swetti*, - Manning, Steenstrupia, 3: 108.
 1980 *Meiosquilla swetti*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 16.
 1984 *Meiosquilla swetti*, - Hendrickx, Rev. Biol. Trop., 32 (2): 273.
 1989 *Meiosquilla swetti*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 245, tab. I.
 1991 *Meiosquilla swetti*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. México, ser. Zool., 62 (3): 438.

Distribution: E-Pacific. - Gulf of California; Mexico (Bahía de Petatlán, Guerrero; Michoacan, off Teacapán, Sinaloa; Tangola-Tangola); Nicaragua (Corinto); Costa Rica (near Punta Quebos); Panamá (Isla Taboguilla).

Depth range: 0-94m.

Habitat: muddy bottoms, but also in rubble habitats; "mangrove leaves" (Manning, 1972: 102).

Colour note: Manning (1972: 102).

Size: ♀, 19-42mm; ♂, 28-33mm.

***Meiosquilla tricarinata* (Holthuis, 1941)**

- 1941 *Squilla tricarinata* Holthuis, Temminckia, 6: 32-35, fig. 1.
 1966 *Squilla tricarinata*, - Manning, Ann. Inst. océanogr. Monaco, 44: 369-370, fig. 5.
 1969 *Meiosquilla tricarinata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 114-119, figs. 33c, 34 [references].
 1972 *Meiosquilla tricarinata*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1976 *Meiosquilla tricarinata*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 29 [unpublished manuscript].
 1976 *Meiosquilla tricarinata*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 163-164, figs. 6, 16, tabs. 1-2.
 1990 *Meiosquilla tricarinata*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 109, fig. 6a-d.

Distribution: Florida (off Jensen Beach; Indian River region); Bahamas; Colombia (NE of Santa Marta: Punta Aguja); Aruba; Brazil (off Fernando da Noronha, Mogiquiçaba, and Abrolhos Islands).

Depth range: sublittoral-48m.

Habitat: "cascajo de coral" (Werding & Müller, 1990: 109).

Colour note: Manning (1966: 370, 1969: 117).

Size: ♀, 16-33.2mm; ♂, 14-35mm.

***Natosquilla* Manning, 1978**

- 1978 *Natosquilla* Manning, Smiths. Contr. Zool., 272: 40-41 [diagnosis, remarks].

***Natosquilla investigatoris* (Lloyd, 1907)**

- 1907 *Squilla investigatoris* Lloyd, Rec. Indian Mus., 1: 10-12.

- 1908 *Squilla investigatoris*, - Lloyd, Rec. Indian Mus., 2: 29-35, pls. II-III.
 1913 *Squilla investigatoris*, - Kemp, Mem. Indian Mus., 4: 80-82, pl. VI, figs. 67-68.
 1939 *Squilla investigatoris*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 151-157, fig. 6.
 1971 *Oratosquilla investigatoris*, - Losse & Merrett, Mar. Biol., 10: 244-253, figs. 1-5 [surface swarming].
 1978 *Natosquilla investigatoris*, - Manning, Smiths. Contr. Zool., 272: 41, fig. 25.
 1988 *Squilla investigatoris*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 658.
 1990 *Natosquilla investigatoris*, - Manning, Steenstrupia, 16 (6): 101.

Distribution: Gulf of Aden; Arabian Sea (off SE coast of Arabia); Persian Gulf.

Depth range: 183-220m.

Habitat: sandy mud.

Colour note: Kemp (1913: 81-82).

Size: 77-105mm.

Remarks: Was observed swarming on the surface of the ocean by Losse & Merrett (1971); during swarming periods it was found as an important food item of pelagic oceanic fishes.

***Neoanchisquilla* Moosa, 1991**

- 1991 *Neoanchisquilla* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 208 [diagnosis, remarks].

***Neoanchisquilla semblatae* Moosa, 1991**

- 1991 *Neoanchisquilla semblatae* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 208-210, fig. 15.

Distribution: Chesterfield Islands.

Depth range: 74m.

Size: %, 26mm.

***Oratosquilla* Manning, 1968**

- 1968 *Oratosquilla* Manning, Bull. mar. Sci., 18 (1): 133-135 [diagnosis, remarks].
 1968 *Oratosquilla*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 38 [diagnosis, remarks, key to species from W-Pakistan].
 1971 *Oratosquilla*, - Manning, Smiths. Contr. Zool., 71: 1-2, general remarks and key to species groups]; 3 [keys and remarks on *nepa* and *mikado* groups]; 4 [key and remarks to *oratoria* group]; 8-9 [key and remarks to *perpensa* group]; 11-12 [key and remarks to *woodmasoni* group]; 14 [key and remarks to *gonypetes* group].
 1977 *Oratosquilla*, - Manning, Atlantide Rep., 12: 130 [remarks].
 1978 *Oratosquilla*, - Manning, Smiths. Contr. Zool., 272: 3-7 [diagnosis, remarks]; 5 [revised key to species]; 7 [list of nominal species].

- 1981 *Oratosquilla*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 21-23 [diagnosis, remarks; key to species groups]; 23 [remarks on *nepa*-group]; 24 [remarks on *oratoria*-group]; 26 [remarks on *woodmasoni*-group]; 28 [remarks on *perpensa*-group].

***Oratosquilla anomala* (Tweedie, 1935)**

- 1903 *Squilla affinis* var. *intermedia* Nobili, Boll. Mus. Zool. Anat. Comp. R. Univ. Torino, 18 (455): 39 [part, non specimens from Nias, = *pentadactyla*].
 1922 *Squilla oratoria* ver. *perpensa*, - Parisi, Atti Soc. Ital. Sci. Nat., Mus. Civ. Stor. Nat., Milano, 61: 98 [part, specimen from Singapore only; non *S. oratoria* var. *perpensa* Kemp, 1911].
 1931 *Chloridiella oratoria*, - Schmitt, Lingnan Sci. J., 8 (1929): 147 [part, non *S. oratoria* de Haan, 1844].
 1935 *Squilla anomala* Tweedie, Bull. Raffles Mus., 10: 45-47.
 1973 *Squilla anomala*, - Moosa, J. Singapore Acad. Sci., 3 (2): 147.
 1978 *Oratosquilla anomala*, - Manning, Smiths. Contr. Zool., 272: 7-10, figs. 1-3.

Distribution: Malaysia (Selangor); Singapore (Siglap); China (Tsimei, Fukien Province).

Depth range: littoral to shallow water.

Colour note: Tweedie (1935: 48).

Size: ♀, 66-85mm; ♂, 82-91mm.

***Oratosquilla arabica* Ahmed, 1971**

- 1971 *Oratosquilla arabica* Ahmed, Pakistan J. Sci. Ind. Res., 14 (3): 251, figs. [not seen].
 1978 *Oratosquilla arabica*, - Manning, Smiths. Contr. Zool., 272: 7 [in list].

Distribution: Arabian Gulf.

Colour note: Ahmed (1971: 252).

Size: ♀, 67-80mm; ♂, 63mm.

Remarks: According to Manning (1978: 7), probably a synonym of *O. interrupta*.

***Oratosquilla asiatica* Manning, 1978**

- 1978 *Oratosquilla asiatica* Manning, Smiths. Contr. Zool., 272: 10-12, fig. 4.
 1984 *Oratosquilla asiatica*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 78-79.

Distribution: Indonesia (Makassar Strait; Irian Jaya: Teluk Jos Sudarso, near mouth of Tami River); Philippines (Pandan, Panay Island, Antique Province); Taiwan (Chilung River; Ampin).

Depth range: "almost certainly occurs in shallow water" (Manning, 1978: 12).

Habitat: "from trap at mouth of tidal stream" (Manning, 1978: 10).

Colour note: Manning (1978: 11).

Size: ♀, 81.5-93mm; ♂, 45-97mm.

***Oratosquilla birsteini* Makarov, 1971**

- 1971 *Oratosquilla birsteini* Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 146-149, fig. 62.

Distribution: Red Sea.

Depth range: 50m.

Size: ♀, 28mm; ♂, 37-46mm.

***Oratosquilla calumnia* (Townsend, 1953)**

- 1886 *Squilla nepa*, - Brooks, Sci. Rep. Voy. Challenger (Zool.), 16: 25 [part, specimen from Hawaii only; not *S. nepa* Latreille].
- 1913 *Squilla oratoria*, - Kemp, Mem. Indian Mus., 4 (1): 66-72 [part, material from Hawaii only, not *S. oratoria* De Haan].
- 1921 *Squilla oratoria*, - Edmondson, Occ. Pap. Bernice P. Bishop Mus., 7 (13): 287, fig. 1a [not *S. oratoria* De Haan].
- 1931 *Squilla oratoria*, - Bigelow, Bull. Mus. Comp. Zool., Harvard Univ., 72 (4): 183-186 [not *S. oratoria* De Haan].
- 1953 *Squilla oratoria*, - Townsend, Pac. Sci., 7 (4): 404-406, figs. 2-3 [not *S. oratoria* De Haan].
- 1953 *Squilla calumnia* Townsend, Pac. Sci., 7 (4): 410-412, figs. 8, 9a-f.
- 1968 *Squilla calumnia*, - Manning, Bull. mar. Sci., 18 (1): 135 [list].
- 1971 *Oratosquilla calumnia*, - Manning, Smiths. Contr. Zool., 71: 4-6, fig. 1.
- 1991 *Oratosquilla calumnia* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 210-211.

Distribution: New Caledonia (Lagoon; St. Vincent Bay); Micronesia (Guam); Hawaii (Hilo Dock, Hilo; Honolulu; Oahu).

Depth range: 5-50m.

Colour note: Manning (1971: 4-5).

Size: ♀, 64-130mm; ♂, 66-175mm.

Remarks: according to Townsend (1953: 406, as *S. oratoria*), this species is caught in crab nets by fishermen in Hawaii.

***Oratosquilla fabricii* (Holthuis, 1941)**

- 1941 *Squilla fabricii* Holthuis, Temminckia, VI: 249-253, fig. 1.
- 1962 *Squilla fabricii*, - Stephenson, J. Roy. Soc. W-Austr., 45 (2): 33.

Distribution: Indonesia (Moluccas; ?Lombok).

Size: ♀, 111mm; ♂, 97-128mm.

***Oratosquilla fossulata* Moosa, 1985**

- 1985 *Oratosquilla fossulata* Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 405-408, fig. 11.
- 1991 *Oratosquilla fossulata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges,

ed.), Ed. ORSTOM: 211.

Distribution: Philippines; New Caledonia (Lagoon; Belep); Chesterfield Islands.

Depth range: 13-330m.

Colour note: Moosa (1985: 407).

Size: ♀, 33-88mm; ♂, 34-102mm.

***Oratosquilla gonypetes* (Kemp, 1911)**

- 1911 *Squilla gonypetes* Kemp, Rec. Indian Mus., (2) 6 (9): 96-97 [part].
 1913 *Squilla gonypetes*, - Kemp, Mem. Indian Mus., 4 (1): 54-55, pl. IV, figs. 42-44.
 1921 *Squilla gonypetes*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 300-301.
 1952 *Squilla gonypetes*, - Alikunhi, Rec. Indian Mus., 49 (3): 262-264, fig. 7 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1967 *Squilla gonypetes*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 871-876, figs. 90-100 [postlarva and juvenile, identified through metamorphosis in laboratory].
 1974 *Oratosquilla gonypetes*, - Blumstein, Crustaceana, 26 (2): 119.
 1975 *Oratosquilla gonypetes*, - Moosa, Mar. Res. Indonesia, 15: 12.
 1978 *Oratosquilla gonypetes*, - Manning, Smiths. Contr. Zool., 272: 12-14, fig. 5.
 1986 *Oratosquilla gonypetes*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 408.
 1988 *Squilla gonypetes*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.
 1990 *Oratosquilla gonypetes*, - Manning, Steenstrupia, 16 (6): 101.

Distribution: Gulf of Oman; Persian Gulf; India (off Andaman Islands); Mergui Archipelago; Burma (off Cheduba Island, Arakan coast; Kabosa Island); Indonesia (Seribu Islands); Viet Nam (Gulf of Tonkin); Philippines; ?Australia.

Depth range: 13-110m.

Habitat: coarse sand and shells; "muddy sand with Foraminifera" (Blumstein, 1974: 119).

Colour note: Manning (1978: 13).

Size: ♀, 32-72mm; ♂, 26-47mm.

Remarks: records from South Africa and Japan require verification (Manning, 1978: 14).

***Oratosquilla gravieri* Manning, 1978**

- 1978 *Oratosquilla gravieri* Manning, Smiths. Contr. Zool., 272: 14-15, fig. 6.
 1985 *Oratosquilla gravieri*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 409.

Distribution: Vietnam (Along Bay, Gulf of Tonkin); Philippines.

Depth range: 36-187m.

Colour note: Manning (1978: 15).

Size: ♀, 43-105mm; ♂, 91-103mm.

Oratosquilla hesperia (Manning, 1968)

- 1880 ?*Squilla nepa*, - Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 25 [part, specimen from Zanzibar].
- 1913 ?*Squilla woodmasoni*, - Kemp, Mem. Indian Mus., 4 (1): 74 [part, reidentified specimens from Zanzibar, by Miers (1880)].
- 1913 *Squilla massavensis*, - Kemp, Mem. Indian Mus., 4: 76-78 [non *O. massavensis* (Kossmann, 1880)].
- 1963 ?*Squilla massavensis*, - Ingle, : 15 [part, material from Zanzibar recorded by Miers (1880) and Kemp (1913), reidentified].
- 1968 *Squilla hesperia* Manning, Proc. U.S. natn. Mus., 124 (3641): 25-28, fig. 8.
- 1968 *Oratosquilla hesperia*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 43-46, fig. 17 [synonymy].
- 1977 *Oratosquilla hesperia*, - Manning, Rev. Suisse Zool., 84 (2): 288-289.
- 1981 *Oratosquilla hesperia*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239 [in key], 251, fig. 13.
- 1984 *Oratosquilla hesperia*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, ref. Mauritius record].
- 1987 *Oratosquilla bispinosa* Duris, Zool. Zh., 66 (11): 1744-1748.
- 1990 *Oratosquilla hesperia*, - Manning, Steenstrupia, 16 (6): 101, fig. 2.

Distribution: Gulf of Aden; Zanzibar; Mozambique Channel; Madagascar (Baie de Tsimipaika); Mauritius; Persian Gulf (Iran: W of Chah Bahar; E of Ra's-e Rashedi's); Pakistan (off Makran coast; Karachi).

Depth range: 7-26m.

Habitat: sand; "hard packed mud" (Tirmizi & Manning, 1968: 43); muddy sand.

Colour note: Tirmizi & Manning (1968: 44, 45) and Manning (1968: 27).

Size: ♀, 26-89mm; ♂, 31-123mm.

Oratosquilla hindustanica Manning, 1978

- 1911 *Squilla oratoria* var. *perpensa* Kemp, Rec. Indian Mus., 6 (2): 98 [part].
- 1913 *Squilla oratoria* var. *perpensa*, - Kemp, Mem. Indian Mus., 4 (1): 70 [part, not pl. 5, figs. 57-59].
- 1978 *Oratosquilla hindustanica*, - Manning, Smiths. Contr. Zool., 272: 15-17, figs. 7, 15e.
- 1988 *Oratosquilla hindustanica*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 655-656.

Distribution: India (Tuticorin: Madras, Gulf of Manaar)

Colour note: Manning (1978: 17).

Size: ♀, 45-68mm; ♂, 40-95mm.

Oratosquilla holoschista (Kemp, 1911)

- 1913 *Squilla holoschista*, - Kemp, Mem. Indian Mus., 4 (1): 64-65, pl. 4, figs. 50-53.
- 1921 *Squilla holoschista*, - Kemp & Chopra, Rec. Indian Mus., 22: 301.
- 1934 *Squilla holoschista*, - Chopra, Rec. Indian Mus., 36: 23.

- 1941 *Squilla holoschista*, - Holthuis, Temminckia, VI: 246-247.
 1950 *Squilla holoschista*, - Barnard, Ann. S. Afr. Mus., 38: 849, fig. 2b.
 1952 *Squilla holoschista*, - Alikunhi, Rec. Indian Mus., 49 (3): 248-251 [larvae, incl. final pelagic stage, identified through metamorphosis in laboratory].
 1967 *Squilla holoschista*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 837-847, figs. 23-39 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1969 *Oratosquilla holoschista*, - Manning, Smiths. Contr. Zool., 1: 15.
 1975 *Oratosquilla holochista*, - Moosa, Mar. Res. Indonesia, 15: 13.
 1988 *Squilla holoschista*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657.

Distribution: South Africa (off Durban; Tugela River); India (Sandheads, Ganges; Orissa coast, Madras, Cuddalore, Porto Novo); Sri Lanka; Indonesia (Anyer, Sunda Strait); Philippines.

Depth range: shallow water.

Colour note: in Kemp (1913: 65).

Size: ♂, 72-75mm.

Oratosquilla imperialis (Manning, 1965)

- 1965 *Squilla imperialis* Manning, Crustaceana, 9 (3): 253-255, fig. 1, pl. 13, fig. b.
 1984 *Oratosquilla imperialis*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 79.
 1985 *Oratosquilla imperialis*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 409-410.

Distribution: Indonesia (Makassar Strait); Philippines; Japan (off Hayana and off Nagai, Sagami Bay).

Depth range: 96-193m.

Size: ♀, 29-72.2mm; ♂, 27-36mm.

Remarks: Manning (1965: 254-255; also photo on pl. XII, fig. b).

Oratosquilla inornata (Tate, 1883)

- 1883 *Squilla inornata* Tate, Trans. Proc. Roy. Soc. S. Austr., 6: pl. 2, fig. 3a-c.
 1934 *Squilla oratoria* var. *inornata*, - Tweedie, Bull. Raffles Mus., 9: 37-38.
 1955 *Squilla inornata*, - Stephenson & McNeill, Rec. Austr. Mus., 23 (5): 244-245.
 1966 *Squilla inornata*, - Manning, Rec. Austr. Mus., 27 (4): 95-97, fig. 3 [part?].
 1974 *Oratosquilla inornata*, - Blumstein, Crustaceana, 26 (2): 119.
 1975 *Oratosquilla inornata*, - Moosa, Mar. Res. Indonesia, 15: 13.
 1977 *Oratosquilla inornata*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 10.
 1978 *Oratosquilla inornata*, - Manning, Smiths. Contr. Zool., 272: 17-19, figs. 8-9.
 1991 *Oratosquilla inornata*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 211-212.

Distribution: Andaman Sea (Phuket Island, Thailand); Singapore; Gulf of Thailand (Ang Sila); Indonesia (Pasar Ikan); Viet Nam (Gulf of Tonkin); Australia (S-Australia: St. Vincent Bay; Queensland: Bowen); New Caledonia (Lagoon; Belep; St. Vincent Bay).

Depth range: intertidal-59m.

Habitat: muddy sand; mudflats in mangrove locations; also found in shrimp culture ponds and mouths of rivers.

Colour note: Dingle, Caldwell & Manning (1977: 10) and Moosa (1991: 212).

Size: ♀, 39-91mm; ♂, 39-63mm.

Oratosquilla interrupta (Kemp, 1911)

- 1911 *Squilla interrupta* Kemp, Rec. Indian Mus., 6: 98-99.
 1913 *Squilla interrupta*, - Kemp, Mem. Indian Mus., 4: 72-74, pl. 5, figs. 60-62.
 1930 *Squilla interrupta*, - Boone, Bull. Vanderbilt nat. Mus., 2: 28, pl. 7 [part, not the ♀ from Singapore].
 1931 *Chloridiella interrupta*, - Schmitt, Lignan J. Sci., 8 (1929): 140.
 1934 *Squilla interrupta*, - Tweedie, Bull. Raffles Mus., 9: 38-39.
 1941 *Squilla interrupta*, - Holthuis, Temminckia, VI: 253-254 [references].
 1952 *Squilla interrupta*, - Stephenson, Zool. Pap. Univ. Queensland, 1 (1): 105.
 1952 *Squilla interrupta*, - Alikunhi, Rec. Indian Mus., 49 (3): 254-256, fig. 4 [final pelagic larval stage, identified through metamorphosis in laboratory].
 1966 *Squilla interrupta*, - Manning, Rec. Austr. Mus., 27 (4): 97-98, fig. 4.
 1967 *Squilla interrupta*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 858-864, figs. 59-76 [postlarva and juvenile, identified through metamorphosis in laboratory].
 1967 *Squilla interrupta*, - Manning, Crustaceana, 12 (1): 105.
 1968 *Oratosquilla interrupta*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 41-43, fig. 16 [references].
 1974 *Oratosquilla interrupta*, - Blumstein, Crustaceana, 26 (2): 119.
 1975 *Oratosquilla interrupta*, - Moosa, Mar. Res. Indonesia, 15: 13.
 1975 *Oratosquilla interrupta*, - Dutt & Ravindranath, Proc. Indian Acad. Sci., 81B (2): 62-64, figs. 13-18.
 1981 *Oratosquilla interrupta*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 239 [in key], 250, fig. 12.
 1984 *Oratosquilla interrupta*, - Ghosh, Bull. zool. Surv. India, 6 (1-3): 265-266.
 1988 *Squilla interrupta*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 657-658.
 1990 *Oratosquilla interrupta*, - Manning, Steenstrupia, 16 (6): 101-102.

Distribution: Persian Gulf (Kuwait: Khalij al Kuwayt; off mouth of Khor as Sabiyah; Iran: off Lok; Strait of Hormuz); Arabian Sea; Pakistan (off Karachi); India (Goa; Sandheads, Hughli Delta; Ghapa Natta, Mutlah River, near Calcutta; Orissa coast; Panvel Creek, Bombay; Andhra Pradesh; Nicobar Islands); Burma (Arakan coast); Singapore (off Changi); Indonesia (W of Seribu Islands; Jakarta Bay); Viet Nam (Gulf of Tonkin); Hong Kong; Taiwan; ?Singapore; Malaysia; south entrance of Diorian Strait.

Depth range: 0-24m.

Habitat: "muddy sand beach" (Blumstein, 1974: 119); muddy

bottoms.

Colour note: Tirmizi & Manning (1968: 43); further note in Schmitt (1931: 140).

Size: ♀, 55-113mm; ♂, 54-123mm.

Remarks: occasionally taken by fisherman in Pakistan (off Karachi).

Oratosquilla kemp (Schmitt, 1931)

1931 *Chloridiella kemp* Schmitt, Lignan Sci. J., 8 (1929): 135-140, pl. 17, figs. 6-9, pl. 18, figs. 10-11.

1934 *Squilla kemp*, - Chopra, Rec. Indian Mus., 36: 31-35, figs. 3-4 [comparison with *O. oratoria*].

1941 *Squilla kemp*, - Holthuis, Temminckia, VI: 254 [synonymy].

1974 *Oratosquilla kemp*, - Blumstein, Crustaceana, 26 (2): 119.

Distribution: Viet Nam (Gulf of Tonkin: Kon-be Island).

Size: ♂, 113-120mm.

Oratosquilla massavensis (Kossmann, 1880)

1880 *Squilla massavensis* Kossmann, Malacostraca, in: Zoologische Ergebnisse einer im Auftrage der königlichen Akademie der Wissenschaften zu Berlin ausgeführten Reise in die Küstengebiete des Roten Meeres, 2 (1): 99.

1936 *Squilla africana*, - Steuer, Notiz. Dtsch.-ital. Inst. Meeresbiol. Rovigno d'Istria, 21: 13, figs. 9-15 [non *S. africana* Calman, 1917, = *S. aculeata calmani* Holthuis, 1959].

1957 *Squilla massavensis*, - Gohar & Al-Kholy, Publ. Mar. Biol. Stat. Al Ghardaqua, 9: 89-106, figs. 1-87 [larvae and adult stages].

1967 *Squilla massavensis*, - Holthuis, Isr. J. Zool., 16: 13, 39 [references].

1967 *Squilla massavensis*, - Steinitz, Isr. J. Zool., 16: 166 [in list of immigrants from Red Sea to Mediterranean].

1971 *Oratosquilla massavensis*, - Makarov, in: Vodyanitzkii, Benthos of the Red Sea's shelf: 146.

1977 *Oratosquilla massavensis*, - Manning, Atlantide Rep., 12: 130-131, figs. 44, 51.

1980 *Oratosquilla massavensis*, - Lewinsohn & Manning, Smiths. Contr. Zool., 305: 10-16, figs. 5-6, 7b [synonymy].

1981 *Oratosquilla massavensis*, - Kocatas, Crustaceana, 40 (2): 214.

1986 *Oratosquilla massavensis*, - Manning & Lewinsohn, Smiths. Contr. Zool., 433: 15.

1989 *Oratosquilla massavensis*, - Froglija & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 269 [key], 271-272, fig. 4a-e.

1994 *Oratosquilla massavensis*, - Dounas & Steudel, Crustaceana, 66 (2): 253-254.

Distribution: Mediterranean Sea and Red Sea. - Egypt; Turkey; Lebanon; Cyprus; Israel; Red Sea (Gulf of Suez; Eritrea: Archico Bay, S of Massawa).

Depth range: 5-183m, generally <50m.

Habitat: mud; sand-stones; silt-sand; sand; silt-clay; *Amphioxus*-ground bottoms; sand with little mud.

Colour note: Lewinsohn & Manning (1980: 14).

Size: may reach more than 200mm. - ♀, 17-157mm; ♂, 17-

167mm; juvs. 17-26mm.

Remarks: This is a rather commercial species, which has fishery potential in the Mediterranean.

Additional synonymy: *Oratosquilla massauensis*;
Oratosquilla massawensis.

***Oratosquilla microps* Garcia & Manning, 1982**

1982 *Oratosquilla microps* Garcia & Manning, Proc. biol. Soc. Wash., 95 (3): 542-544, fig. 4.

Distribution: Philippines.

Depth range: 37-55m.

Size: %, 50mm.

***Oratosquilla nepa* (Latreille, 1825)**

- 1913 *Squilla nepa*, - Kemp, Mem. Indian Mus., 4 (1): 60-64, pl. 4, fig. 49 [older references].
- 1915 *Squilla nepa*, - Kemp, Philippines J. Sci., 10 (3): 172.
- 1934 *Squilla nepa*, - Chopra, Rec. Indian Mus., 36: 23.
- 1934 *Squilla nepa*, - Tweedie, Bull. Raffles Mus., 9: 37.
- 1941 *Squilla nepa*, - Holthuis, Temminckia, VI: 245-246 [references].
- 1950 *Squilla nepa*, - Barnard, Ann. S. Afr. Mus., 38: 847-849, figs. 1b, 2a.
- 1952 *Squilla nepa*, - Alikunhi, Rec. Indian Mus., 49 (3): 245-248, fig. 1 [last pelagic larval stage, identified through metamorphosis in laboratory].
- 1953 *Squilla nepa*, - Fourmanoir, Nat. Malgache, 5 (2): 153-157 [larvae].
- 1955 *Squilla nepa*, - Stephenson & McNeill, Rec. Austr. Mus., 23: 243.
- 1967 *Squilla nepa*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965. Mar. Biol. Ass. India, 2: 826-836, figs. 1-22 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1968 *Squilla nepa*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 31 [references].
- 1968 *Oratosquilla nepa*, - Tirmizi & Manning, Proc. U.S. natn. Mus., 125 (3666): 39 [references].
- 1974 *Oratosquilla nepa*, - Blumstein, Crustaceana, 26 (2): 119.
- 1975 *Oratosquilla nepa*, - Moosa, Mar. Res. Indonesia, 15: 17.
- 1977 *Oratosquilla nepa*, - Manning, Rev. Suisse Zool., 84 (2): 289.
- 1981 *Oratosquilla nepa*, - Garcia, Nat. Mus. Manila, Philippines, Nat. Pap., 6: 23-24.
- 1981 *Oratosquilla nepa*, - Tirmizi & Kazmi, Pakistan J. Zool., 13 (1-2): 238 [in key], 249, fig. 11.
- 1984 *Oratosquilla nepa*, - Ghosh, Bull. zool. Surv. India, 6 (1-3): 265.
- 1986 *Oratosquilla nepa*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 410.
- 1990 *Oratosquilla nepa*, - Manning, Steenstrupia, 16 (6): 102.
- 1991 *Oratosquilla nepa*, - Manning, Smiths. Contr. Zool., 521: 12.
- 1991 *Oratosquilla nepa*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 212.
- 1992 *Oratosquilla nepa*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Widely distributed in the Indo-West Pacific.
- Mozambique; Madagascar (Tamatave; Baie Narendry; Ambaro Bay,

Nosy Bé; Diego Suarez); Persian Gulf; Pakistan (off Karachi); India (Bombay; W-Bengal; Andhra Pradesh; Kerala; Goa); Malaysia (off Kerteh, Trengganu); Singapore (Siglap, Pulau Pisang); Indonesia (many records in Holthuis, 1941: 246, and Moosa, 1975: 17); Viet Nam (Gulf of Tonkin); Hong Kong; Philippines; Australia (Queensland: Townsville); New Caledonia (Lagoon; St. Vincent Bay).

Depth range: 4-37m.

Habitat: mud and soft mud; fish ponds; mouths of rivers.

Colour note: Tirmizi & Manning (1968: 40-41).

Size: ♀, 60-148mm; ♂, 84-141mm.

Remarks: has some economic importance; is sold in local markets.

Oratosquilla oratoria (de Haan, 1844)

- 1844 *Squilla oratoria* de Haan, in: Fauna Japonica sive Descriptio Animalium, ...: atlas, pl. 51, fig. 2.
- 1849 *Squilla oratoria*, - de Haan, Fauna Japonica sive Descriptio Animalium, ...: 223.
- 1913 *Squilla oratoria*, - Kemp, Mem. Indian Mus., 4 (1): 66-70, pl. 5, figs. 54-56 [part; references].
- 1924 *Squilla oratoria*, - Komai, Mem. Coll. Sci., Kyoto Imp. Univ., B, I (3): 273-282, figs. 1-3, pl. XVIII [embryology].
- 1933 *Squilla oratoria*, - Zaks, Morskije bespozvonochnye Dal'nego Vostoka: 73.
- 1941 *Squilla oratoria*, - Holthuis, Temminckia, VI: 247-248 [synonymy].
- 1942 *Squilla oratoria*, - Shiino, Mem. Coll. Sci., Kyoto Imp. Univ., (B) 17 (1): 77-174, pls. 4-14 [detailed study of the embryology].
- 1946 *Squilla oratoria*, - Gurney, Proc. Zool. Soc. London, 116 (1): 160 [list, larvae].
- 1949 *Squilla oratoria*, - Anonymous, Illustrated Encyclopedia of the Fauna of Japan, Tokyo: 842, fig. 2418.
- 1949 *Squilla oratoria*, - Liu, Contr. Inst. Zool., Natn. Acad. Peiping, 5 (1): 36, fig. 1a-b.
- 1955 *Squilla oratoria*, - Kobyakova, in: Atlas of the Invertebrates of the far eastern seas of the USSR, Akad. Nauk SSSR: 199.
- 1956 *Squilla oratoria*, - Utinomi, Coloured Illustrations of Sea Shore Animals of Japan: 91, pl. 46, fig. I [colour].
- 1957 *Squilla oratoria*, - Kubo & Asada, J. Tokyo Univ. Fish., 43 (2): 254, 257-259, 264-266, 268, 270, 272, 287, 289, tabs. 16-18, fig. 12 [ecology].
- 1959 *Squilla oratoria*, - Kubo, Hori, Kumemura, Naganawa & Soedjono, J. Tokyo Univ. Fish., 45 (1): 1-25, figs. 1-16 [biology].
- 1963 *Squilla oratoria*, - Manning, Bull. mar. Sci. Gulf & Caribb., 13 (3): 429, tab. 2 [tabulation of embryological stages], tab. 3 [comparison of embryological stages with those of *G. oerstedii*].
- 1965 *Squilla oratoria*, - Manning, Crustaceana, 9 (3): 259-260.
- 1966 *Squilla oratoria*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica: 50.
- 1967 *Squilla oratoria*, - Senta, Bull. Jap. Soc. sci. Fish., 33: 508-512, figs. 1-3, tabs. 1-3 [diurnal migration and seasonal abundance of larvae; in Japanese, Engl. abstract].
- 1968 *Squilla oratoria*, - Manning, Bull. mar. Sci., 18 (1): 135 [list].
- 1968 *Oratosquilla oratoria*, - Manning, Bull. mar. Sci., 18 (1): figs. 1n, 2d-f, 3b, 5e, 7c-d, 9e.
- 1971 *Oratosquilla oratoria*, - Manning, Smiths. Contr. Zool., 71: 6-8, fig. 2 [synonymy].

- 1984 *Oratosquilla oratoria*, - Hamano & Matsuura, Bull. Jap. Soc. Sci. Fish., 50 (12): 1969-1973, figs. 1-7 [spawning, egg mass nursing behaviour].
- 1984 *Oratosquilla oratoria*, - Matsuura & Hamano, Bull. Jap. Soc. Sci. Fish., 50 (12): 1963-1968, figs. 1-8 [selection of artificial burrows].
- 1986 *Oratosquilla oratoria*, - Hamano, Bull. Jap. Soc. Sci. Fish., 52 (1): 1-10, figs. 1-5, tabs. 1-3 [optimal prey size and morphology of raptorial claw].
- 1987 *Oratosquilla oratoria*, - Hamano & Matsuura, Bull. Jap. Soc. Fish., 53 (1): 23-39, figs. 1-14 [egg size, duration of incubation, larval development, with description of larvae].
- 1988 *Oratosquilla oratoria*, - Ohtomi, Shimizu & Vergara, Bull. Jap. Soc. Sci. Fish., 54 (11): 1929-1933, figs. 1-7 [spawning season in Tokyo Bay; in Japanese].
- 1988 *Oratosquilla oratoria*, - Ohtomi & Shimizu, Bull. Jap. Soc. Sci. Fish., 54 (11): 1935-1940, figs. 1-3 [growth after recruitment, life span; in Japanese].
- 1989 *Oratosquilla oratoria*, - Hamano & Nagai, Suisan Zoshoku, 37 (3): 157-161, figs. 1-3 [burrows, larvae].
- 1989 *Oratosquilla oratoria*, - Ohtomi, Park & Shimizu, Bull. Jap. Soc. Sci. Fish., 55 (9): 1529-1538, figs. 1-8 [distribution in Tokyo Bay and relation to fishing grounds; settlement of larvae; in Japanese].
- 1990 *Oratosquilla oratoria*, - Hamano, Bull. Jap. Soc. Fish., 56 (9): 15 [growth of % and &].
- 1990 *Oratosquilla oratoria*, - Yamazaki, NOAA Tech. Rep., NMFS, 85: 91-100, figs. 1-13, tabs. 1-9 [detailed account on fishery in Japan].
- 1991 *Oratosquilla oratoria*, - Ohtomi & Shimizu, Bull. Jap. Soc. Fish., 57 (3): 447-451, figs. 1-5, tabs. 1-3 [observations of spawning ground in Tokyo Bay].

Distribution: NW-Pacific. - Russia (Peter the Great Bay); Japan (off Hayama, Sagami Bay); Hong Kong; Korea; Taiwan; China.

Depth range: shallow water.

Habitat: lives in U-shaped tunnels in mud and silt-clay bottoms.

Colour note: Manning (1971: 6). Colour figures are presented by Utinomi (1956 and 1960).

Size: %, 53-180mm; &, 54-183mm.

Remarks: In Japan it is of economic importance in fishery (Matsuura & Hamano, 1984: 1963; Yamazaki, 1990: 91-100). Approximately 5000 tons per year are caught in Japan annually, which are used for food in "Sushi" (Yamazaki).

***Oratosquilla ornata* Manning, 1971**

1971 *Oratosquilla ornata* Manning, Smiths. Contr. Zool., 71: 9-11, fig. 3.

1984 *Oratosquilla ornata*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 79.

Distribution: Indonesia (Makassar Strait); South China Sea, off Hong Kong.

Depth range: 112-220m.

Habitat: "sand, green mud" (Holthuis, 1971: 9).

Size: %, 57.5mm; &, 43.5mm.

***Oratosquilla pentadactyla* Manning, 1978**

- 1903 *Squilla affinis* var. *intermedia* Nobili, Boll. Mus. Zool. Anat. Comp. R. Univ. Torino, 18 (455): 39 [Nias specimens only].
- 1913 *Squilla quinqueidentata*, - Kemp, Mem. Indian Mus., 4 (1): 195 [addendum, not p. 52].
- 1941 *Squilla quinqueidentata*, - Holthuis, Temminckia, 6: 244-245 [non *S. quinqueidentata* Brooks, 1886].
- 1978 *Oratosquilla pentadactyla* Manning, Smiths. Contr. Zool., 272: 19-21, fig. 10.
- 1988 *Oratosquilla pentadactyla*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 656.

Distribution: India (Kilakarai, Ramnad District); Indonesia (Luaha Gundre, Nias; Pulau Simeulue, W-Sumatra).

Depth range: "apparently lives in relatively shallow water" (Manning, 1978: 21).

Colour note: Manning (1978: 21).

Size: ♀, 90-122.5mm; ♂, 56-138mm.

***Oratosquilla perpensa* (Kemp, 1911)**

- 1913 *Squilla oratoria* var. *perpensa*, - Kemp, Mem. Indian Mus., 4: 70-72.
- 1934 *Squilla interrupta*, - Boone, Bull. Vanderbilt mar. Mus., 5: 105.
- 1941 *Squilla oratoria* var. *inornata*, - Holthuis, Temmickia, 6: 248 [part, non *S. inornata* Tate, 1883].
- 1966 *Squilla perpensa*, - Lee & Wu, Bull. Inst. Zool., Acad. Sinica, 5: 49.
- 1967 *Squilla perpensa*, - Manning, Crustaceana, 12 (1): 105.
- 1974 *Oratosquilla perpensa*, - Blumstein, Crustaceana, 26 (2): 119.
- 1978 *Oratosquilla perpensa*, - Manning, Smiths. Contr. Zool., 272: 21-23, fig. 11.
- 1988 *Squilla oratoria* var. *perpensa*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 658-659.
- 1990 *Oratosquilla perpensa*, - Manning, Steenstrupia, 16 (6): 102.

Distribution: Persian Gulf; India (Sandheads, Hughli delta; Madras); Burma (Mergui Archipelago, off Irrawaddy delta); Singapore; Indonesia (Java); Viet Nam (Gulf of Tonkin); Hong Kong; Taiwan (Tuang Chian).

Depth range: ?-97m.

Colour note: Manning (1978: 23).

Size: ♀, 64-93mm; ♂, 63-97.5mm.

***Oratosquilla quinqueidentata* (Brooks, 1886)**

- 1886 *Squilla quinqueidentata* Brooks, Rep. Sci. Res. Challenger, (Zool.), 16: 21, 26, pl. 1, fig. 3, pl. 2, fig. 6.
- 1913 *Squilla quinqueidentata*, - Kemp, Mem. Indian Mus., 4 (1): 52-53 [not in addendum, p. 195].
- 1934 *Squilla quinqueidentata*, - Tweedie, Bull. Raffles Mus., 9: 36-37.
- 1975 *Oratosquilla quinqueidentata*, - Moosa, Mar. Res. Indonesia, 15: 17-18.
- 1977 *Oratosquilla quinqueidentata*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 8-10, fig. 5a.
- 1978 *Oratosquilla quinqueidentata*, - Manning, Smiths. Contr. Zool., 272: 23-25,

fig. 12.

Distribution: Arafura Sea; India (Bombay; Orissa coast); Andaman Sea (Phuket Island, Thailand); Singapore (Siglap), Gulf of Thailand; Indonesia (Seribu Islands); Philippines.

Depth range: shallow subtidal-51m.

Habitat: green mud; mudflats.

Colour note: Dingle, Caldwell & Manning (1977: 8), Manning (1978: 24) and Kemp (1913: 53).

Size: ♀, 59-140mm; ♂, 119mm.

Remarks: Is caught by fishermen in Phuket, Thailand (Dingle, Caldwell & Manning, 1977: 10). The records given by Sunier (1918), Odhner (1923) and Tweedie (1934), which are not listed above, require verification (Manning, 1978: 25).

***Oratosquilla septemdentata* Ahyong, 1944**

1944 *Oratosquilla septemdentata* Ahyong, Rec. Austr. Mus., 46: 1-3, fig. 1.

Distribution: Indonesia (Halmahera, Teluk Kau).

Depth range: 460m.

Colour note: Ahyong (1994: 3).

Size: ♀, 83mm.

***Oratosquilla simulans* Holthuis, 1957**

1967 *Oratosquilla simulans* Holthuis, Isr. J. Zool., 16: 7-12, fig. 3.

Distribution: Red Sea (?Gulf of Elat: Aqaba. - Eritrea: near Massawa).

Depth range: ?61.2-79m.

Habitat: ?bottom of broken shells.

Colour note: Holthuis (1967: 10).

Remarks: The ♀ paratype of this species probably belongs to *Oratosquilla striata*.

***Oratosquilla sollicitans* Manning, 1978**

1911 *Squilla oratoria* var. *perpensa* Kemp, Rec. Indian Mus., 6 (2): 98 [part].

1913 *Squilla oratoria* var. *perpensa*, - Kemp, Mem. Indian Mus., 4 (1): 70 [part, not pl. 5, figs. 57-59].

1941 *Squilla oratoria* var. *inornata*, - Holthuis, Temminckia, 6: 248-249 [part, not *S. inornata* Tate, 1883].

1978 *Oratosquilla sollicitans* Manning, Smiths. Contr. Zool., 272: 25-28, figs. 13, 14, 15a-d.

1981 *Oratosquilla sollicitans*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 28-30.

Distribution: Thailand (Gulf of Thailand; Chantaburi River); Malaysia (Sabah: Sandakan); Singapore; Indonesia (Java; Makassar; Celebes; Sekru, New Guinea); Philippines; Taiwan (Ampin).

Habitat: on sandy-muddy bottoms.

Colour note: Manning (1978: 26); further note in Garcia (1981: 29-30).

Size: ♀, 37-104mm; ♂, 36.5-96mm.

Remarks: Has some economic importance and is sold in local markets.

***Oratosquilla stephensoni* Manning, 1978**

- 1952 *Squilla anomala*, - Stephenson, Pap. Dep. Zool., Univ. Queensland, 1 (1): 7.
 1953 *Squilla anomala*, - Stephenson, Mem. Qd. Mus., 13 (1): 43.
 1954 *Squilla anomala*, - Stephenson, Williams & Cook, Mem. Qd. Mus., 17 (1): 114
 [list]. [non *Squilla anomala* Tweedie, 1935]
 1978 *Oratosquilla stephensoni* Manning, Smiths. Contr. Zool., 272: 29-30, fig. 16.

Distribution: Australia (Queensland: E of St. Helena Island, Moreton Bay; mouth of Brisbane River; E of Woody Point; Townsville; Lindeman Island).

Depth range: 5.5-13m.

Habitat: mud.

Colour note: Manning (1978: 29).

Size: ♀, 93-144mm; ♂, 109.5-149mm.

***Oratosquilla striata* Manning, 1978**

- 1939 ?*Squilla gonypetes*, - Chopra, Sci. Rep. John Murray Exped., 6 (3): 140
 [list], 148-150, fig. 5 [part, non *S. gonypetes* Kemp, 1911].
 1967 ?*Squilla simulans*, - Holthuis, Catalogus Crustaceorum, 1: 7 [part, ♀
 paratype only].
 1978 *Oratosquilla striata* Manning, Smiths. Contr. Zool., 272: 30-33, figs. 17-18.
 1984 *Oratosquilla striata*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-
 Dufresne" et de Prospections Littorales de la edette "Japonaise";
 C.N.F.R.A., 55: 38-39.
 1990 *Oratosquilla striata*, - Manning, Steenstrupia, 16 (6): 102.

Distribution: La Réunion; Gulf of Oman, off Arabian coast; Persian Gulf.

Depth range: 79-110m.

Habitat: "green muddy sand" (Manning, 1978: 30); "black basaltic sand with gravels and blocks" (Moosa, 1984: 38).

Colour note: Manning (1978: 32).

Size: ♀, 47mm; ♂, 34mm; juv. ♂, 20.2mm.

***Oratosquilla subtilis* Manning, 1978**

- 1911 *Squilla gonypetes* Kemp, Rec. Indian Mus., 6 (2): 96 [part].
 1913 *Squilla gonypetes*, - Kemp, Mem. Indian Mus., 4 (1): 54-55 [part].
 1921 *Squilla gonypetes*, - Kemp & Chopra, Rec. Indian Mus., 22 (4): 300 [part].
 1926 *Squilla oratoria* var. *perpensa*, - Hansen, Siboga Exped. Monogr., 35: 11
 [part, non *S. oratoria* var. *perpensa* Kemp, 1911].
 1978 *Oratosquilla subtilis* Manning, Smiths. Contr. Zool., 272: 33-34, fig. 19.
 1984 *Oratosquilla subtilis*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 79-80.
 1988 *Oratosquilla subtilis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3):

656.

- 1991 *Oratosquilla subtilis*, - Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 213.

Distribution: India (off Vizagapatam, Madras); Burma (off Kabusa Island); Indonesia (Makassar Strait; Celebes); Philippines; New Caledonia (Lagoon).

Depth range: 37-91.5m.

Habitat: "grey mud with some Radiolariae" (Manning, 1978: 33).

Colour note: Manning (1978: 34).

Size: ♀, 30-52mm; ♂, 43-47mm.

***Oratosquilla turbata* Manning, 1978**

- 1968 *Squilla gonypetes*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 23, fig. 7 [non *S. gonypetes* Kemp, 1911].
 1970 *Oratosquilla gonypetes*, - Manning, Bull. Mus. natn. Hist. nat., sér. 2, 41 (6): 1430 [non *S. gonypetes* Kemp, 1911].
 1978 *Oratosquilla turbata* Manning, Smiths. Contr. Zool., 272: 35, fig. 20.
 1991 *Oratosquilla turbata*, - Manning, Smiths. Contr. Zool., 521: 12.

Distribution: Kenya (off Mombasa); Madagascar (Banc de Pracel, W-coast; Baie Moramba, NW-coast).

Depth range: 16-55m.

Habitat: muddy sand; "coralline gravel with mud and shells"; "coralline sand and gravel with shells and a little mus" (Manning, 1991: 12).

Colour note: Manning (1978: 35).

Size: ♀, 27-53mm; ♂, 39-45mm; ♀ postlarva, 15mm.

***Oratosquilla vietnamica* Blumstein, 1974**

- 1974 *Oratosquilla vietnamica* Blumstein, Crustaceana, 26 (2): 119-121, fig. 6.

Distribution: Viet Nam (Gulf of Tonkin).

Depth range: 76m.

Habitat: mud.

Size: ♂, 46mm.

***Oratosquilla woodmasoni* (Kemp, 1911)**

- 1911 *Squilla wood-masoni* Kemp, Rec. Indian Mus., (2) 6 (9): 99.
 1913 *Squilla wood-masoni*, - Kemp, Mem. Indian Mus., 4: 74-76, pl. 5, figs. 63-65.
 1938 *Squilla woodmasoni*, - Dollfus, Mém. Inst. Égypt., 37: 193-196, fig. 6.
 1941 *Squilla woodmasoni*, - Holthuis, Temminckia, VI: 255 [references].
 1952 *Squilla wood-masoni*, - Alikunhi, Rec. Indian Mus., 49 (3): 251-254, fig. 3 [last pelagic larval stage, identified through metamorphosis in laboratory].
 1966 *Squilla woodmasoni*, - Manning, Rec. Austr. Mus., 27 (4): 100-101, fig. 5.
 1967 *Squilla wood-masoni*, - Alikunhi, Symp. Crustacea, Ernakulam, India, 1965.

- Mar. Biol. Ass. India, 2: 847-858, figs. 40-58 [postlarva and juvenile, identified through metamorphosis in laboratory].
- 1971 *Oratosquilla tweediei* Manning, Smiths. Contr. Zool., 71: 12, fig. 4.
- 1974 *Oratosquilla woodmasoni*, - Blumstein, Crustaceana, 26 (2): 121, fig. 7.
- 1975 *Oratosquilla jakartensis* Moosa, Mar. Res. Indonesia, 15: 13-17, fig. 1.
- 1975 *Oratosquilla tweediei*, - Moosa, Mar. Res. Indonesia, 15: 18.
- 1975 *Oratosquilla woodmasoni*, - Moosa, Mar. Res. Indonesia, 15: 18.
- 1977 *Oratosquilla woodmasoni*, - Dingle, Caldwell & Manning, Phuket Mar. Biol. Res. Center, Res. Bull., 20: 10, fig. 5b-d.
- 1978 *Oratosquilla woodmasoni*, - Manning, Smiths. Contr. Zool., 272: 36-40, figs. 21-22.
- 1981 *Oratosquilla woodmasoni*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 26-28.
- 1984 *Oratosquilla woodmasoni*, - Moosa & Cleva, Bull. Mus. natn. Hist. nat., 4e sér., 6, sec. A, no. 2: 428.
- 1986 *Oratosquilla woodmasoni*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 410.
- 1988 *Squilla wood-masoni*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 660.
- 1990 *Oratosquilla woodmasoni*, - Manning, Steenstrupia, 16 (6): 102.
- 1992 *Oratosquilla woodmasoni*, - Ortiz & Silva, Revta. Invest. Mar., 13 (1): 12 [list].

Distribution: Widely distributed in the Indo-West Pacific. - Seychelles; Mozambique; Persian Gulf; India (Pondicherry; Madras; Orissa coast; Ganges delta); Thailand (Ko Phuket, Andaman Sea; Gulf of Thailand). Malaysia; Singapore (Tanjong Rhu, Siglap); Indonesia (Sabang; Sumatra; Java; Amboina); Viet Nam (Gulf of Tonkin); Philippines; Hong Kong; Australia (Port Jackson, New South Wales; W-Australia).

Depth range: shallow water-113m.

Habitat: mud bottoms; gravel and sand with mud; brackish water; "muddy clay, muddy sand, and shells" (Blumstein, 1974: 121); "sable avec passes dures dans corail"; "vase calcaire"; "sable vaseux" (Moosa & Cleva, 1984: 428).

Colour note: Dingle, Caldwell & Manning (1977: 10), Manning (1978: 38) and Garcia (1981: 27).

Size: ♀, 78-120mm; ♂, 66-144mm.

Remarks: A species of economic importance; is frequently caught by fisherman in Thailand and in the Philippines.

***Paralimopsis* Moosa, 1991**

- 1991 *Paralimopsis* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 188-189 [diagnosis, remarks].

***Paralimopsis carinata* Moosa, 1991**

- 1991 *Paralimopsis carinata* Moosa, Stomatopoda, in: Le benthos des fonds meubles des lagons de Nouvelle-Calédonie, Vol. 1 (B. Richer de Forges, ed.), Ed. ORSTOM: 189.

Distribution: Chesterfield Islands.
 Depth range: 58m.
 Habitat: sand bottom with *Halimeda*.
 Size: %, 34mm.

***Pterygosquilla* Hilgendorf, 1890**

- 1968 *Pterygosquilla*, - Manning, Bull. mar. Sci., 18 (1): 123 [diagnosis, remarks].
 1969 *Pterygosquilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 122-123 [diagnosis, remarks].
 1977 *Pterygosquilla*, - Manning, Atlantide Rep., 12: 131 [remarks, references].

***Pterygosquilla armata* (H. Milne Edwards, 1837)**

- 1911 *Squilla armata*, - Chilton, Trans. Proc. N.Z. Inst., 43: 1135-137, fig. 1.
 1913 *Squilla armata*, - Kemp, Mem. Indian Mus., 4 (1): 41-42, pl. 2, figs. 28-29 [refers to ssp. *schizodonta*].
 1940 *Squilla armata*, - Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4): 150-151, fig. 4.
 1954 *Squilla armata*, - Dahl, Acta Univ. Lund. N.F., Avd. 2, Bd. 49 (17): 3-6 [intraspecific variation].
 1966 *Squilla armata*, - Manning, Rec. Austr. Mus., 27: 90-93 [refers to ssp. *schizodonta*].
 1969 *Pterygosquilla armata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 123-127, fig. 36 [references].
 1969 *Pterygosquilla armata capensis* Manning, Smiths. Contr. Zool., 1: 8-13, figs. 2-3 [detailed discussion of ssp. delimitation]; 11 [key to subspecies *armata*, *capensis* and *schizodonta*].
 1972 *Squilla armata*, - Pyne, J. Roy. Soc. N.Z., 2 (2): 121-146 [larvae, reared in laboratory].
 1977 *Pterygosquilla armata capensis*, - Manning, Atlantide Rep., 12: 131-133, figs. 45, 49.

Distribution: ssp. *armata* from South American waters (Argentina; Chile); ssp. *capensis* reported from off the coasts of SW and S Africa: Lüderitz (Walvis Bay); Orange River mouth; ssp. *schizodonta* from New Zealand.

Depth range: 13-380m.

Habitat: sand and mud.

Colour note: ssp. *capensis* in Manning (1977: 132).

Size: ssp. *armata*. - %, 32-146mm; &, 41-90mm. - ssp. *capensis*. - %, 24-168mm; &, 22-135mm; postlarvae, 12-22mm.

Remarks: larval development of ssp. *schizodonta* in Pyne (1972).

***Pterygosquilla gracilipes* Miers, 1881**

- 1940 *Squilla gracilipes*, - Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4): 151, fig. 5 [references].

Distribution: S-America (W-coast of Patagonia;

Valparaiso).

***Schmittius* Manning, 1972**

- 1972 *Schmittius* Manning, Proc. biol. Soc. Wash., 85 (24): 300-301 [diagnosis, remarks].

***Schmittius peruvianus* Manning, 1972**

- 1972 *Schmittius peruvianus* Manning, Proc. biol. Soc. Wash., 85 (24): 301-303, figs. 2, 3c, f.

Distribution: Perú (Banco del Mancora).

Depth range: 125-350m.

Colour note: Manning (1972: 301).

Size: %(?juv.), 33mm; &, 60mm.

***Schmittius politus* (Bigelow, 1891)**

- 1972 *Schmittius politus*, - Manning, Proc. biol. Soc. Wash., 85 (24): 303, fig. 3b, e.
 1980 *Schmittius polita*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 243, fig. 13.3.
 1989 *Schmittius politus*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 243, 245, tab. I.
 1990 *Schmittius politus*, - Hendrickx, Rev. Biol. Trop., 38 (1): 37.

Distribution: Monterrey Bay, California, to the Gulf of California.

Depth range: 12-185m.

Size: &, 34.5mm; reaches up to 60mm.

***Squilla* Fabricius, 1787**

- 1961 *Squilla*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 12-14 [remarks, key to species from the Atlantic Coast of northern South America].
 1966 *Squilla*, - Manning, Rec. Austr. Mus., 27: 89-90 [remarks].
 1968 *Squilla*, - Manning, Bull. mar. Sci., 18 (1): 129-130 [diagnosis, remarks].
 1968 *Squilla*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 21 [remarks].
 1969 *Squilla*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 146-152, tab. 7 [diagnosis, remarks, key to W-Atlantic species; in tab. listing of species sharing distinctive morphological characters and colouration].
 1977 *Squilla*, - Manning, Atlantide Rep., 12: 133 [remarks, references].

***Squilla aculeata* Bigelow, 1893**

- 1880 *Squilla empusa*, - Miers, Ann. Mag. Nat. Hist., ser. 5, 5: 23 [part, not *S. empusa* Say, 1818].

- 1894 *Squilla aculeata*, - Bigelow, Proc. U.S. natn. Mus., 27 (1017): 523-525, figs. 15-16.
- 1904 *Squilla empusa*, - Jurich, Wiss. Ergebn. Dt. Tiefsee-Exped., 7: 9, pl. 1, fig. 3 [not *S. empusa* Say, 1818].
- 1916 *Squilla africana* Calman, Ann. Mag. Nat. Hist., ser. 18 (18): 373, figs. 1-2.
- 1925 *Squilla africana*, - Monod, Bull. Soc. Sci. nat. Maroc, 5 (3): 90 [key], 92 [list].
- 1927 *Squilla mantis* var. *empusa*, - Gravier, Bull. Mus. natn. Hist. nat., Paris, 26: 31 [non *S. empusa* Say, 1818].
- 1937 *Cloridella aculeata* Lunz, Bull. Bingham Oceanogr. Coll., 5 (5): 8.
- 1940 *Squilla aculeata*, - Schmitt, Allan Hancock Pac. Exped., 5 (4): 158-159, fig. 9.
- 1941 *Squilla empusa*, - Holthuis, Zool. Meded. Leiden, 23: 31 [not *S. empusa* Say, 1818].
- 1949 *Squilla africana*, - Vilela, Anais Jta. Invest. colon., 4: 67, figs. 15-16.
- 1950 *Squilla africana*, - Cadenat, C. r. 1. Conf. int. Afr. l'Ouest, 1: 192.
- 1951 *Squilla africana*, - Darteville, U.S. explor. Exped., 13: 1021, figs. 1-6.
- 1951 *Squilla africana*, - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 142 [in discussion], 143 [key].
- 1951 *Quilla empusa*, - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 142 [erroneous spelling, not *S. empusa*, Say, 1818]
- 1957 *Squilla africana*, - Longhurst, J. Anim. Ecol., 26 (2): 373-375, 377-380, 382.
- 1958 *Squilla africana*, - Buchanan, Proc. zool. Soc. Lond., 130 (1): 20.
- 1958 *Squilla africana*, - Longhurst, Fish. Publs. colon. Off., 11: 42, 46, 48-49, 64, 86.
- 1964 *Squilla africana*, - Crosnier, Cah. O.R.S.T.O.M. Océanogr., No. spec., 1964: 34-35, 38.
- 1968 *Squilla aculeata*, - Bahamonde, Revta Univ., Univ. Catól., Chile, 31: 116.
- 1968 *Squilla aculeata calmani*, - Le Loeuff & Intes, Doc. sci. Prov. Centr. Rech. oceanogr., Abidjan, 25: 36, 38, 67-68, 70, figs. 46, 61, tabs. 1-3.
- 1970 *Squilla aculeata*, - De Solar, Blanca & Mayta, Catalogo de Crustaceos del Peru, Lima: 36.
- 1970 *Squilla aculeata calmani*, - Manning, Stud. trop. Oceanogr., 4: 265-267, fig. 2.
- 1970 *Squilla*, - Uschakov, Cah. Biol. mar., 11 (4): 439.
- 1972 *Squilla aculeata aculeata*, - Manning, Zoologica, N.Y., 56: 102.
- 1974 *Squilla aculeata calmani*, - Manning, Ann. Inst. océanogr., Monaco, 49, suppl.: 19.
- 1974 *Squilla aculeata aculeata*, - Manning, Steenstrupia, 3: 108.
- 1974 *Squilla aculeata calmani*, - Manning, Ann. Inst. océanogr. Monaco, 49, suppl. 1: 19-20.
- 1977 *Squilla aculeata calmani*, - Manning, Atlantide Rep., 12: 133-140, figs. 46, 52.
- 1980 *Squilla aculeata aculeata*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 17.
- 1981 *Squilla aculeata calmani*, - Manning, in: Fischer, W., G. Bianchi & W.B. Scott (eds.), FAO species identification sheets for fishery purposes. Eastern Central Atlantic; fishing areas 34, 47 (in part): 3, fig.
- 1988 *Squilla aculeata aculeata*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 98-99, fig. 2.
- 1989 *Squilla aculeata aculeata*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tab. I.

Distribution: ssp. *S. aculeata aculeata* E-Pacific. - Mexico (Teacapán, Sinaloa); Nicaragua; El Salvador; Costa Rica

(near Isla del Caño); Panamá (Tansche); Colombia (Buenaventura; Golfo de Tortugas; Bahía Málaga; Tumaco; Boca Raposo; Ijuá); Peru; Chile (Iquique). - ssp. *S. aculeata calmani* in W- and E-Atlantic: widely distributed in W-Africa, from Senegal to Angola: Senegal (Joali; Diogane); Gambia; Portuguese Guinea (Bissau; Ilha de Bissau; Rio Grande, Bambaia; Ilha de Pecixe); Guinea; Sierra Leone (Scarcies River); Liberia (Monrovia); Ivory Coast; Ghana (Accra); Dahomey (Lac d'Ajuda); Bight of Biafra; off Niger River; Nigeria (Lagos); Cameroon; Sao Thomé (Joao dos Angulares; Isla Elobey, Rio Muni); Gabon; Congo (Vista; Moanda; mouth of Congo River).

Depth range: 0-73m.

Habitat: is a mud-dwelling species; also in or near mouths of rivers; "abundante en las redes de los barcos camaroneros" (Murillo, 1988: 99).

Colour note: Schmitt (1940: 159); for ssp. *calmani* see (Manning, 1977: 138).

Size: ♀, 57-157mm; ♂, 27-197mm; ssp. *calmani*. -♀, 20.5-150mm; ♂, 34-147mm; postlarvae 12.5-13mm.

***Squilla biformis* Bigelow, 1891**

- 1891 *Squilla biformis* Bigelow, John Hopkins Univ. Circ., 10: 94.
 1894 *Squilla biformis*, - Bigelow, Proc. U.S. natn. Mus., 17: 532-534, fig. 20, pl. 21.
 1940 *Squilla biformis*, - Schmitt, Allan Hancock Pac. Exped., 5: 165-166, fig. 12.
 1974 *Squilla biformis*, - Manning, Steenstrupia, 3: 108.
 1980 *Squilla biformis*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 243, fig. 13.4.
 1984 *Squilla biformis*, - Hendrickx, Rev. Biol. Trop., 32 (2): 273.
 1988 *Squilla biformis*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 103, fig. 6.
 1989 *Squilla biformis*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tab. I, 246, 247, tab. II.
 1990 *Squilla biformis*, - Camp & Kuck, Proc. biol. Soc. Wash., 103 (4): 851.
 1991 *Squilla biformis*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. México, 62 (3): 438-440.
 1991 *Squilla biformis*, - Manning, Smiths. Contr. Zool., 521: 13, 14 [tab.].

Distribution: Gulf of California; Mexico (off La Paz Harbor, Bahía de La Paz; Punta Piaxtla, Sinaloa); Costa Rica, Provincia de Guanacaste: Golfo de Papagayo; Bahía Playa Blanca, NW Golfe do Papagayo; Gulf of Panamá (Taboguilla); Colombia (Punta Arusí); off Peru.

Depth range: 28-518m.

Habitat: "fondos fangoarenosos" (Murillo, 1988: 103).

Size: juv.♀, 51-57mm; adults up to >200mm.

***Squilla bigelowi* Schmitt, 1940**

- 1930 *Squilla panamensis* var. B, - Boone, Bull. Vanderbilt nat. Mus., 2: 17, 39, pl. 6.
 1940 *Squilla bigelowi* Schmitt, Publ. Allan Hancock Found. Pac. Exped., 5 (4):

156-157, fig. 8.

- 1967 *Squilla bigelowi*, - Manning, *Crustaceana*, 12 (1): 104.
 1980 *Squilla bigelowi*, - Brusca, *Stomatopoda*, in: *Common intertidal invertebrates of the Gulf of California*; 2nd ed., Univ. Arizona Press: 243, fig. 13.5.
 1989 *Squilla bigelowi*, - Hendrickx & Salgado-Barragan, *Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr.*, 3: 243, 245, tab. I, 246, 247, tab. II.
 1990 *Squilla bigelowi*, - Hendrickx, *Rev. Biol. Trop.*, 38 (1): 37.

Distribution: Gulf of California, off Rocas Consag to Cabo San Lucas and Islas Marias in the south; Costa Rica (Punta Arenas).

Depth range: 6-150m.

Colour note: in Schmitt (1940: 167).

Size: ♀, 84mm; ♂, 104mm; average total length about 60-100mm.

Remarks: was found abundant in shrimp trawls in the Gulf of California (Hendrickx & Salgado-Barragan 1989: 246-247).

***Squilla brasiliensis* Calman, 1917**

- 1917 *Squilla brasiliensis* Calman, *Nat. Hist. Rep. Brit. Antarct. ("Terra Nova") Exped. 1910, Zool.*, 3 (5): 139-141, figs. 1-3.
 1955 *Squilla brasiliensis*, - Boll. Mus. Nac., Rio de Janeiro, n.s., *Zool.*, 128: 18-22, fig. 16A, pl. 4, fig. 30, pl. 5, fig. 37, pl. 14, figs. 47-48.
 1966 *Squilla brasiliensis*, - Manning, *Ann. Inst. océanogr. Monaco*, 44: 361-363, fig. 1.
 1969 *Squilla brasiliensis*, - Manning, *Stud. Trop. Oceanogr.*, 8, *Inst. mar. Sci., Univ. Miami*: 215-220, figs. 57b, 60, 61a-b [synonymy].
 1972 *Squilla brasiliensis*, - Coelho & Koenig, *Trab. Oceanogr. Univ. Fed. Pe.*, 13: 250, tab. [distribution in Brazil].
 1976 *Squilla brasiliensis*, - Tommasi, Bordin & da Rocha Oliveira, *Publ. espec. Univ. S. Paulo Inst. oceanogr.*, 3 (1): 163.
 1988 *Squilla brasiliensis*, - Ghosh & Manning, *Proc. biol. Soc. Wash.*, 101 (3): 656.

Distribution: Brazil and Uruguay (many records in Manning, 1969: 215-216).

Depth range: 46-141m.

Colour note: Manning (1969: 219); further note in Manning (1966: 363).

Size: ♂, 106mm.

Remarks: in Brazil found in stomach of *Genypterus brasiliensis*.

***Squilla cadenati* Manning, 1970**

- 1960 *Squilla intermedia*, - Ingle, *Ann. Mag. Nat. Hist.*, ser. 13, 1 (1): 573, figs. 11-12 [not *S. intermedia* Bigelow, 1893].
 1964 *Squilla intermedia*, - Crosnier, *Cah. O.R.S.T.O.M. Océanogr.*, No. spec., 1964: 34-35, 38 [not *S. intermedia* Bigelow, 1893].
 1966 *Squilla mantis*, - Voss, *Stud. trop. Oceanogr.*, 4 (1): 17 [not *S. mantis* (Linnaeus, 1758)].
 1966 *Squilla*, - Voss, *Stud. trop. Oceanogr.*, 4 (1): 19 [part], 22.

- 1968 *Squilla* sp. nov., - Le Loeuff & Intes, Doc. sci. Prov. Centr. Rech. oceanogr., Abidjan, 25: 36, 38, 72, figs. 46, 63, tabs. 1-3.
- 1970 *Squilla cadenati* Manning, Stud. trop. Oceanogr., 4 (2): 267-271, fig. 3.
- 1974 *Squilla cadenati*, - Manning, Ann. Inst. océanogr., Monaco, 49, suppl. 1: 20.
- 1977 *Squilla cadenati*, - Makarov, Biol. Morya, Vladivostok, 3: 15-16, fig. 1.
- 1977 *Squilla cadenati*, - Manning, Atlantide Rep., 12: 141-146, figs. 47, 57.
- 1981 *Squilla cadenati*, - Manning, in: Fischer, W., G. Bianchi & W.B. Scott (eds.), FAO species identification sheets for fishery purposes. Eastern Central Atlantic; fishing areas 34, 47 (in part): 3, fig., 4, fig.
- 1984 *Squilla cadenati*, - Holthuis, Zool. Meded., 58 (8): 138.

Distribution: E-Atlantic, from W-Africa. - Mauritania; Liberia; Ivory Coast; Ghana; Dahomey; off Niger River; off Nigeria; Cameroon; Senegal; Angola (between Loanda and Novo Redondo).

Depth range: 37-230m.

Habitat: mud and sandy mud; "fine sandy oolitic mud, shells" (Manning, 1977: 142).

Colour note: Manning (1977: 144).

Size: ♀, 33-150mm; ♂, 30-135mm.

Remarks: off Angola found in the stomach of a fish of the genus *Mustelus*.

***Squilla caribaea* Manning, 1969**

- 1961 *Squilla edentata*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 22-25, pl. 5 [part, non *S. edentata* (Lunz, 1937)].
- 1969 *Squilla caribaea* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 234-239, figs. 65c-d, 66.
- 1990 *Squilla caribaea*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 110.
- 1991 *Squilla caribaea*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].

Distribution: W-Atlantic. - Honduras; Nicaragua; Panama; Colombia; Venezuela; Trinidad; British Guiana; Surinam.

Depth range: 190-439m.

Size: ♀, 62.1-142.6mm; ♂, 60.6-174mm.

***Squilla chydaea* Manning, 1962**

- 1962 *Squilla chydaea* Manning, Proc. biol. Soc. Wash., 7: 215-217.
- 1969 *Squilla chydaea*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 196-201, figs. 53c, 56 [references].

Distribution: tropical NW-Atlantic. - Florida to Veracruz, Mexico; Mississippi; Louisiana; Texas.

Depth range: 24-366m.

Habitat: muddy bottoms.

Colour note: Manning (1969: 200).

Size: ♀, 29.3-124.5mm; ♂, 35.5-123.4mm.

Remarks: in Mexico found in stomach of red snapper (Manning, 1969: 198).

***Squilla deceptrix* Manning, 1969**

- 1969 *Squilla discors*, - Manning, Stud. Trop. Oceanogr., Miami, 8: 159, fig. 44c.
 1969 *Squilla deceptrix* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 165-171, fig. 46.
 1971 *Squilla deceptrix*, - Proc. biol. Soc. Wash., 84 (15): 125 [list].
 1973 *Squilla deceptrix*, - Camp, Mem. Hourglass Cruises, 3 (2): 33-37, fig. 12, tab. 8.
 1976 *Squilla deceptrix*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 30 [unpublished manuscript].
 1976 *Squilla deceptrix*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 164, figs. 7, 16, tabs. 1-3.
 1976 *Squilla deceptrix*, - Lemos de Castro & Gomes Corrêa, Rev. Bras. Biol., 36 (2): 387-389, figs. 1-3.

Distribution: off North Carolina; eastern Gulf of Mexico; Florida (south of Cape San Blas; West of Anclote Keys; off Charlotte Harbor; off Islamorada; Indian River region); Tobago; Brazil (Cabo Norte, Amapá).

Depth range: 36.6-346m.

Colour note: quite similar to *S. discors*, see reference of this species.

Size: ♀, 27.3-65mm; ♂, 23.8-73.2mm.

Remarks: Camp (1973: 34) gives some Gulf of Mexico records from the stomachs of fishes: *Centropristes ocyurus*; *Lepophidium jeannae*; *Scorpaena brasiliensis*.

***Squilla decimdentata* Manning, 1970**

- 1970 *Squilla decimdentata* Manning, Proc. biol. Soc. Wash., 83 (8): 104-106, fig. 4.
 1993 *Squilla decimdentata*, - Schotte & Manning, Proc. biol. Soc. Wash., 106 (3): 567 [list].

Distribution: southwestern Caribbean Sea. - Venezuela.

Colour note: Manning (1970: 106).

Size: ♀, 22-86mm; ♂, 33-77mm.

***Squilla discors* Manning, 1962**

- 1962 *Squilla discors* Manning, Proc. biol. Soc. Wash., 7: 217-218 [part, holotype and one paratype only, see Manning, 1969: 161].
 1969 *Squilla discors*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 161-165, figs. 44b, 45.
 1976 *Squilla discors*, - Lemos de Castro & Gomes Corrêa, Rev. Bras. Biol., 36 (2): 389-390, fig. 4.

Distribution: tropical W-Atlantic. - Bahamas; Nicaragua; Venezuela; Brazil (Coruripe, Alagoas).

Depth range: 49-241m.

Colour note: Manning (1969: 162, 164).

Size: ♀, 36.7-66.5mm; ♂, 41.0-63.4mm.

Squilla edentata (Lunz, 1937)

- 1893 *Squilla intermedia* Bigelow, John Hopkins Univ. Circ., 12 (106): 102 [part].
 1937 *Chloridiella edentata* Lunz, Bingham Oceanogr. Coll., 5 (5): 14-18, figs. 7-10.
 1954 *Squilla edentata*, - Chace, Fish. Bull., Fish. Wildl. Serv., 89: 449.
 1969 *Squilla edentata edentata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 220-225, figs. 61c-d, 62 [references].
 1969 *Squilla edentata australis* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 225-228, fig. 63.
 1976 *Squilla edentata edentata*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 31 [unpublished manuscript].
 1976 *Squilla edentata edentata*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 164-165, 168, figs. 8, 16, tabs. 1-3.

Distribution: W-Atlantic. - South Carolina to Texas: Florida; Indian River region; Texas; Alabama; Mississippi; ssp. *australis* from the S-Caribbean including nearby coast of South America: Honduras; Panamá, Venezuela, British Guiana, French Guiana, Surinam.

Depth range: 148-319m (normally 200m or less); ssp. *australis* 173-273m.

Colour note: Manning (1969: 224; ssp. *australis*: 226) and Gore & Becker (1976: 165).

Size: %, 30-162.4mm; &, 49-175mm. - ssp. *australis*: %, 87.4-137.7mm; &, 98.4-170mm.

Squilla empusa Say, 1818

- 1818 *Squilla empusa* Say, J. Acad. nat. Sci., Philad., 1: 250.
 1937 *Squilla empusa* Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 8-9.
 1950 *Squilla empusa*, - Whitten, Rosene & Hedgpeth, Publ. Inst. mar. Sci., Univ. Texas, 1 (2): 76.
 1959 *Squilla empusa*, - Holthuis, Stud. Fauna Suriname, 3 (10): 177-179, fig. 76a, pl. VIII, figs. 3-4.
 1961 *Squilla empusa*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 20-11, pl. 4, figs. 4-5.
 1962 *Squilla empusa*, - Tabb & Manning, Bull. mar. Sci. Gulf Caribb., 11 (4) (1961): 594.
 1969 *Squilla empusa*, - Burrows, Z. Vergl. Physiol., 62: 362 [behaviour].
 1969 *Squilla empusa*, - Fingerman & Rao, Physiol. Zool., 42: 138 [physiology].
 1969 *Squilla empusa*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 201-214, figs. 57a, 58-59 [synonymy].
 1969 *Squilla empusa*, - Rouse, Quart. J. Fla. Acad. Sci., 32 (2): 135.
 1969 *Squilla empusa*, - Trevino & Larimer, Comp. Biochem. Physiol., 31: 987 [physiology].
 1970 *Squilla empusa*, - Manning, Proc. biol. Soc. Wash., 83 (8): 257 [in discussion].
 1971 *Squilla empusa*, - Godcharles, Fla. Dept. Nat. Resour., Tech. Ser., 64: 26, 32 [list; effect of hydraulic clam dredge on benthic communities].
 1971 *Squilla empusa*, - Lyons, Cobb, Camp, Mountain, Savage, Lyons & Joyce, Fla. Dept. Nat. Resour. Mar. Res. Laboratory, Prof. Pap. Ser., 14: 27.
 1971 *Squilla empusa*, - Perret, Latapie, Pollard, Mock, Adkins, Gaidry & White,

- in: Cooperative Gulf of Mexico Estuarine Inventory and Study, Louisiana, Phase 1... Louisiana Wildl. Fish Comm., New Orleans: 61, tabs. 4, 7.
- 1972 *Squilla empusa*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
- 1973 *Squilla empusa*, - Camp, Mem. Hourglass Cruises, 3 (2): 39-41, fig. 14, tab. 10.
- 1974 *Squilla empusa*, - Manning, NOAA Tech. Rep. NMFS, Circ-387: 1, 2 [key], 4, figs. 3, 8.
- 1975 *Squilla empusa*, - O'Brien, Crustaceana, 29 (2): 220-221 [association with amphipod *Caprella equilibra*].
- 1976 *Squilla empusa*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 32 [unpublished manuscript].
- 1976 *Squilla empusa*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): , 16, tabs. 1-2.
- 1977 *Squilla empusa*, - McCluskey, Crustaceana, 33 (1): 102 [surface swarming of several hundred adult specimens].
- 1979 *Squilla empusa*, - Morgan & Provenzano, Fish. Bull., 77 (1): larval development].
- 1979 *Squilla empusa*, - Myers, Estuarine cstl. Mar. Sci., 8: 87-98, figs. 1-5, pls. 1-3, tabs. 1-2 [autecology].
- 1984 *Squilla empusa*, - Rockett, Standard & Chittenden, Bull. U.S. natn. ocean. atmos. Admn., 82 (2): 418-426 [depth range, spawning periodicity, sex ratios and size compositions].
- 1990 *Squilla empusa*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 110, fig. 9a-c.

Distribution: W-Atlantic. - State of Maine (USA); ?Bermuda; Massachusetts; Rhode Island; Connecticut; New York; Long Island Sound; New Jersey; Delaware; Maryland; Chesapeake Bay; Virginia; North and South Carolina; Georgia; Florida; Gulf of Mexico; Alabama; Mississippi; Nicaragua; Cuba; Jamaica; Trinidad; Colombia (Golfo de Urabá); Venezuela; Suriname (off mouths of rivers); French Guiana; numerous records in (Manning, 1969: 202-209); Brazil.

Depth range: 0-154m (generally <40m).

Habitat: "... found on silty-clay bottoms where they construct burrows for shelter. These burrows are U-shaped and usually have two openings. In the winter, however, many of these conventional burrows are abandoned and single entrance vertical burrows up to 4.4m deep are excavated" (McCluskey, 1977: 102; Myers, 1979: 87); "fondo fango-arenoso" (Werding & Müller, 1990: 110); occurs also in waters of low salinity.

Colour note: Manning (1969: 211); further notes in Holthuis (1959: 178) and Manning (1961: 22).

Size: ♀, 28.7-165mm; ♂, 33.8-185mm.

Remarks: The species is an important component of the "trash" fishery, and the dactyla are used as ornamental jewelry in Florida (Manning, 1969: 214; Becker, 1976: 32). *Pomatomus saltatrix* (Bluefish) was observed feeding on adults of this species, while swarming at the surface (McCluskey, 1977: 102).

***Squilla grenadensis* Manning, 1969**

- 1969 *Squilla grenadensis* Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 152-155, fig. 42.
 1973 *Squilla grenadensis*, - Camp, Mem. Hourglass Cruises, 3 (2): 26-29, fig. 9, tab. 6.
 1975 *Squilla grenadensis*, - Fausto-Filho, Arqu. Ciên. Mar., 15 (2): 133-135., fig. 1.

Distribution: W-Atlantic. - off Grenada; Gulf of Mexico (Hourglass Stations); Brazil.

Depth range: 54.9-73.2m.

Colour note: Manning (1969: 154).

Size: ♀, 23.7-42mm; ♂, 26.6-28.9mm.

Remarks: Camp (1973: 26) gives some records from the stomachs of fishes: *Scorpaena brasiliensis*; *Scorpaena dispar*.

***Squilla hancocki* Schmitt, 1940**

- 1940 *Squilla hancocki* Schmitt, Allan Hancock Pac. Exped., 5: 160-163, fig. 10.
 1972 *Squilla hancocki*, - Manning, Zoologica, N.Y., 56: 102-103.
 1972 *Squilla hancocki*, - Manning, Proc. biol. Soc. Wash., 85 (24): 303-304.
 1976 *Squilla hancocki*, - Manning, Proc. biol. Soc. Wash., 89 (16): 223, tab. 1.
 1980 *Squilla hancocki*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 17.
 1983 *Squilla hancocki*, - Hendrickx & van der Heiden, Crustaceana, 44 (1): 109.
 1984 *Squilla hancocki*, - Hendrickx, Rev. Biol. Trop., 32 (2): 273-274.
 1989 *Squilla hancocki*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tabn. I, 247, tab. II.
 1991 *Squilla hancocki*, - Illescas-Monterroso, Salgado-Barragán, Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. México, ser. Zool., 62 (3): 440-442.

Distribution: E-Pacific. - Gulf of California; Mexico (Bahía de Petatlán, Guerrero; Bahía de San Ignacio, Los Mochis; Sinaloa, Bahía de Mazatlán; off S-Sinaloa, off l'Eacapán; Tangola-Tangola Bays; Tenacatita Bay); Costa Rica (Golfo Duce); Colombia (Gorgona Island); Ecuador (off Cape San Francisco); Peru (Paíta); mainland and nearshore islands.

Depth range: 20-220m.

Habitat: muddy and sandy-muddy bottoms.

Colour note: in Schmitt (1940: 162), comparison with *S. tiburonensis*.

Size: ♀, 20-68mm; ♂, 32-64mm.

***Squilla intermedia* Bigelow, 1893**

- 1894 *Squilla intermedia*, - Bigelow, Proc. U.S. natn. Mus., 17: 530-532, fig. 19 [part].
 1969 *Squilla intermedia*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 228-234, figs. 64, 65a-b [references].
 1991 *Squilla intermedia*, - Manning, Smiths. Contr. Zool., 521: 14 [tab.].

Distribution: tropical NW-Atlantic. - Bahamas; SE-Florida;

Honduras; Cuba; Dominican Republic; Puerto Rico; Barbados.
 Depth range: 291-824m.
 Colour note: Manning (1969: 231).
 Size: ♀, 60.5-135.2mm; ♂, 48.3-153mm.

Squilla lijdingi Holthuis, 1959

- 1959 *Squilla lijdingi* Holthuis, Stud. Fauna Suriname, 3 (10): 181-184, figs. 76b-d, pl. 9, figs. 1-2.
 1961 *Squilla lijdingi*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 26-28, pl. 6, figs. 1-3.
 1966 *Squilla lijdingi*, - Fausto Filho, Arq. Est. Biol. Mar. Univ. Fed. Ceará, 6 (2): 139-140, fig. 1.
 1969 *Squilla lijdingi*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 192-196, figs. 53b, 55.
 1972 *Squilla lijdingi*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1990 *Squilla lijdingi*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 111, fig. 10.

Distribution: tropical W-Atlantic. - Colombia (Dept. Guajira); Venezuela; Trinidad; Tobago; Guyanas; off Suriname; mouth of Amazonas river; Brazil.

Depth range: 9-182m (most often <100m).

Habitat: sand, mudd and shell bottoms; often off mouths of rivers.

Colour note: Manning (1969: 195); further notes in Holthuis (1959: 183) and Manning (1961: 28).

Size: ♀, 22-113.2mm; ♂, 34.2-133mm.

Squilla mantis (Linnaeus, 1758)

- 1910 *Squilla mantis*, - Giesbrecht, Fauna Flora Golf. Neapel, 33: 25-34, 125, 134 [juv.], 56, 87-111 [larvae], figs. 5-8, 11-12, pl. 11, figs. 1-2, 9 [colour], pl. 2, pl. 5, figs. 43-60, pl. 6, figs. 43-58 [juvs.], pl. 9 [larvae].
 1925 *Squilla mantis*, - Monod, Bull. Soc. Sci. nat. Maroc, 5 (3): 86, 90 [key], 92 [list].
 1933 *Squilla mantis*, - Monod, Bull. Com. Étud. hist. sci. Afr. occid. fr., 15: 540 [list].
 1950 *Squilla mantis*, - Cadenat, C. r. 1. Conf. int. Afr. l'Ouest, 1: 192.
 1951 *Squilla mantis*, - Darteville, Bull. Séanc. Inst. r. colon. belge, 22 (4): 1032 [in discussion].
 1951 *Squilla mantis*, - Monod, Bull. Inst. fr. Afr. noire, 13 (1): 143 [key].
 1953 *Squilla mantis*, - Schaller, Natur und Volk, 83 (12): 425-427, figs. 1-4.
 1958 *Squilla mantis*, - Longhurst, Fish. Publs. colon. Off., 11: 64, 86.
 1960 *Squilla mantis*, - Ingle, Ann. Mag. Nat. Hist., ser. 13, 2 (2): 573 [in discussion], figs. 13-14.
 1966 *Squilla mantis*, - van der Baan & Holthuis, Netherl. J. Sea Res., 3 (1): 2-3.
 1966 *Squilla mantis*, - Voss, Stud. trop. Oceanogr., 4 (1): 16.
 1968 *Squilla mantis*, - Le Loeuff & Intes, Doc. sci. Prov. Centr. Rech. oceanogr., Abidjan, 25: 36, 38, 67, 70, figs. 46, 62, tabs. 1-3.
 1968 *Squilla mantis*, - Maurin, Rev. Trav. Inst. Pêch. marit., 32: 41.

- 1968 *Squilla mantis*, - Maurin, Rev. roum. Biol., sér. Zool., 13 (6): 480.
- 1970 *Squilla mantis*, - Manning, Rec. Austr. Mus., 28 (4): 271, fig. 4.
- 1970 *Squilla mantis*, - Manning, Stud. trop. Oceanogr., 4 (2): 271-273, fig. 4.
- 1974 *Squilla mantis*, - Manning, Ann. Inst. océanogr., Monaco, 49, suppl.1 : 20-21.
- 1977 *Squilla mantis*, - Manning, Atlantide Rep., 12: 146-150, figs. 48, 57.
- 1977 *Squilla mantis*, - Manning, Rev. Suisse Zool., 84 (2): 290-292, fig. 1.
- 1980 *Squilla mantis*, - Lewinsohn & Manning, Smiths. Contr. Zool., 305: 16-19, fig. 7a [synonymy].
- 1981 *Squilla mantis*, - Kocatas, Crustaceana, 40 (2): 214-215.
- 1981 *Squilla mantis*, - Manning, in: Fischer, W., G. Bianchi & W.B. Scott (eds.), FAO species identification sheets for fishery purposes. Eastern Central Atlantic; fishing areas 34, 47 (in part): 2, fig., 3, fig., 5, fig.
- 1984 *Squilla mantis*, - Holthuis, Zool. Meded., 58 (8): 137-138.
- 1985 *Squilla mantis*, - Biscoito, Bol. Mus. Mun. Funchal, 37 (170): 171-172.
- 1987 *Squilla mantis*, - Valladeres, Misc. Zool., 11: 373-374.
- 1989 *Squilla mantis*, - de Biasi, M. & E.A. Ferrero, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 287-97, figs. 1-4, tabs. I-III [interindividual behaviour, comparison with other species of Gonodactylidae and Squillidae].
- 1989 *Squilla mantis*, - Morin, Spoto & Ferrero, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 105-116, figs. 1-4 [grooming behaviour].
- 1989 *Squilla mantis*, - Abellò & Sardà, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 229-239, figs. 1-8 [tables, map] [observations on biology, economic importance of fishery in Spain, Catalan area].
- 1989 *Squilla mantis*, - Froggia & Manning, Collana UZI (Unione Zool. Hal.) Sel. Symp. Monogr., 3: 271 [key], 272, fig. 4p-t.
- 1993 *Squilla mantis*, - Pipitone & Tumbiolo, Crustaceana, 65 (3): 360 [tab.].
- 1994 *Squilla mantis*, - Dounas & Steudel, Crustaceana, 66 (2): 254.

Distribution: E-Atlantic and Mediterranean Sea. - British Isles; Portugal (Madeira); Morocco (off Cape Hadid; off Cap Juby; Casablanca); Canary Islands (Valle Bufadero, Santa Cruz de Tenerife; Las Palmas; Telde, Grand Canary Is.); Mauritania (Cap Blanc); off Sierra Leone; Senegal (south of Dakar; Joal); Gambia; Guinea; Sierra Leone; Ivory Coast; Ghana; Bight of Biafra; Gabon; Congo; off Nigeria; Angola. Mediterranean: Israel; Egypt; Turkey; France (Nice, Villefranche, Sete); Italy (Venezia, Messina, Naples, Genova; Sicilian Channel); Algeria; Spain; Greece (Island of Crete); Syria.

Depth range: 5->370m, generally less than 120m.

Habitat: sand; muddy sand; blue mud; blue-green mud; green mud; silty sand and algae.

Colour note: Lewinsohn & Manning (1980: 18), Manning (1970: 273) and Giesbrecht (1910; colour plates).

Size: may reach 200mm. - ♀, 26-166mm; ♂, 37-165mm; larvae, 4-15mm; postlarva, 23mm.

Remarks: is fished commercially on sand and sandy mud bottoms [e.g. Abellò & Sardà (1989), with references to older literature]. In Senegal a postlarva was found in the stomach of the fish *Trygon marmorata*.

Squilla mantoidea Bigelow, 1893

- 1894 *Squilla mantoidea* Bigelow, Proc. U.S. natn. Mus., 17 (1017): 521-523, figs. 13-14.
- 1913 *Squilla mantoidea*, - Kemp, Mem. Indian Mus., 4 (1): 45-46.
- 1970 *Squilla mantoidea*, - Del Solar, Blancas & Mayta, Catalogo de crustaceos del Peru, Lima: 36.
- 1980 *Squilla mantoidea*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244.
- 1988 *Squilla mantoidea*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 99-100, fig. 3.
- 1989 *Squilla mantoidea*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tab. I, 246, 247, tab. II.
- 1991 *Squilla mantoidea*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. México, Ser. Zool., 62 (3): 442-443.

Distribution: Borneo; Mexico-Pacific; Colombia-Pacific (Golfo de Tortugas; Bahía Buenaventura; Togoromá; Bahía Málaga; Boca Raposo; Ijuá; Pichimá); Peru (La Cruz).

Depth range: subtidal-60m.

Habitat: "sustratos fangosos y fangoarenosos" (Murillo, 1988: 99).

Colour note: Bigelow (1894: 522)

Size: ♀, 109-193mm; ♂, 100-212mm.

Remarks: was found abundant in shrimp by-catch in the Gulf of California (Hendrickx & Salgado-Barragan: 246).

***Squilla mauritiana* Kemp, 1913**

- 1913 *Squilla mauritiana* Kemp, Mem. Indian Mus., 4 (1): 66, 68.
- 1942 *Squilla juxtaoratoria* Ward, Bull. Mauritius Inst., 2 (2): 55.
- 1968 *Squilla mauritiana*, - Manning, Proc. U.S. natn. Mus., 124 (3641): 28, fig. 9.
- 1971 *Oratosquilla mauritiana*, - Manning, Smiths. Contr. Zool., 71: 4 [key].
- 1977 *Oratosquilla juxtaoratoria*, - Manning, Rev. Suisse Zool., 84 (2): 289.
- 1981 *Oratosquilla mauritiana*, - Garcia, Natn. Mus. Manila, Philippines, Pap. 6: 24-26.
- 1984 *Oratosquilla juxtaoratoria*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, refs. Mauritius records].
- 1984 *Oratosquilla mauritiana*, - Moosa, in: Rés. Campagnes Océanogr. M.S. "Marion-Dufresne" et de Prospections Littorales de la edette "Japonaise"; C.N.F.R.A., 55: 39 [list, ref. Mauritius record].
- 1988 *Squilla mauritiana*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 658.

Distribution: Madagascar; Mauritius; Philippines.

Depth range: 28-55m.

Habitat: prefers sandy-muddy bottoms.

Colour note: Manning (1968: 30).

Size: ♀, 102-121mm; ♂, 83-163mm.

Remarks: Has some economic importance and is sold in local markets.

***Squilla neglecta* Gibbes, 1850**

- 1850 *Squilla neglecta* Gibbes, Proc. Am. Ass. Adv. Sci., 3rd meeting: 200.
 1935 *Chloridiella neglecta*, - Lunz, J. Elisha Mitchell Sci. Soc., 51 (1): 154, fig. 4.
 1937 *Chloridiella neglecta*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 10-11, fig. 3.
 1955 *Squilla neglecta*, - Lemos de Castro, - Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 22-25, fig. 17, pl. 6, fig. 38, pl. 15, fig. 49.
 1966 *Squilla neglecta*, - Manning, Ann. Inst. océanogr. Monaco, 44: 363-365, fig. 2.
 1969 *Squilla neglecta*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 181-185, figs. 50b, 51 [references].
 1971 *Squilla neglecta*, - Godcharles, Fla. Dep. Nat. Resour. Laboratory, Tech. Ser., 64: 26, 32 [list; effect of hydraulic clam dredge on benthic communities].
 1971 *Squilla neglecta*, - Lyons, Cobb, Camp, Mountain, Savage, Lyons & Joyce, Fla. Dep. Nat. Res. Mar. Resour. Laboratory Prof. Pap. Ser., 14: 27.
 1972 *Squilla neglecta*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1973 *Squilla neglecta*, - Camp, Mem. Hourglass Cruises, 3 (2): 37-39, fig. 13, tab. 9.
 1976 *Squilla neglecta*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 33 [unpublished manuscript].
 1976 *Squilla neglecta*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 169-170, figs. 10, 16, tabs. 1-3.

Distribution: W-Atlantic. - North Carolina to Jupiter Inlet, Florida; Gulf of Mexico from W-Florida to Texas; southward to Brazil.

Depth range: littoral-64m.

Colour note: Lunz (1937: 11), Manning (1966: 365; 1969: 183).

Size: ♀, 42.5-108.6mm; ♂, 57.6-118.9mm.

***Squilla obtusa* Holthuis, 1959**

- 1959 *Squilla obtusa* Holthuis, Stud. Fauna Suriname, 3 (10): 186-188, fig. 76h-j, pl. 9, figs. 3-4.
 1961 *Squilla obtusa*, - Manning, Allan Hancock Atl. Exped., 9: 28-31, pl. 7, figs. 1-3.
 1966 *Squilla obtusa*, - Manning, Ann. Inst. océanogr. Monaco, 44: 365-366, fig. 3.
 1969 *Squilla obtusa*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 187-192, figs. 53a, 54 [references].
 1972 *Squilla obtusa*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1990 *Squilla obtusa*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 111-112, fig. 11.

Distribution: W-Atlantic. - Colombia (Golfo de Urabá); Venezuela; Curaçao; Puerto Rico; Trinidad; Suriname (off mouths of rivers); Brazil (off Salvador).

Depth range: 13-182m.

Habitat: "bottom mud and shells" (Holthuis, 1959: 186); "fondo fango-arenoso" (Werdling & Müller, 1990: 111).

Colour note: Manning (1969: 191); further notes in Holthuis (1959: 188) and Manning (1961: 29-31; 1966: 365-366).

Size: ♀, 32-73mm; ♂, 30-82.5mm.

Squilla panamensis Bigelow, 1891

- 1894 *Squilla panamensis* Bigelow, Proc. U.S. natn. Mus., 27 (1017): 526-530, figs. 17-18 [part].
- 1937 *Chloridiella panamensis*, - Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 11-12, fig. 4.
- 1940 *Squilla panamensis*, - Allan Hancock Pac. Exped., 5 (4): 166, fig. 13.
- 1970 *Squilla panamensis*, - Del Solar, Blancas & Mayta, Catalogo de Crustaceos de Peru, Lima: 36.
- 1972 *Squilla panamensis*, - Manning, Zoologica, N.Y., 56: 103-104.
- 1974 *Squilla panamensis*, - Manning, Steenstrupia, 3: 108.
- 1980 *Squilla panamensis*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244, fig. 13.6.
- 1980 *Squilla panamensis*, - Reaka & Manning, Smiths. Contr. mar. Sci., 7: 17-18.
- 1984 *Squilla panamensis*, - Hendrickx, Rev. Biol. Trop., 32 (2): 274.
- 1988 *Squilla panamensis*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 101-102, fig. 5.
- 1989 *Squilla panamensis*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tab. I, 246, 247, tab. II, 248.
- 1990 *Squilla panamensis*, - Camp & Kuck, Proc. biol. Soc. Wash., 103 (4): 851-852.
- 1990 *Squilla panamensis*, - Hendrickx, Rev. Biol. Trop., 38 (1): 37.
- 1991 *Squilla panamensis*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. México, ser. Zool., 62 (3): 443-446.

Distribution: E-Pacific. - Gulf of California; Mexico (off Mazatlán; Bay of Mazatlán; Bay of Petatlan; Tenacatita Bay); Costa Rica (Provincia de Guanacaste: Golfo de Papagayo; Bahía Playa Blanca, NW Golfo de Papagayo; Bahía Herradura; Bahía Ballena, Golfo de Nicoya); Panamá (Gulf of Chiriqui); Colombia (Cape Corrientes; Togoromá; Boca Baudó); Peru (Callao; Tumbes).

Depth range: 18-208m.

Habitat: mud, muddy sand; sandy mud.

Size: ♀, 32-101mm; ♂, ♂, 53-115mm.

Remarks: in the Gulf of California it is often found in the shrimp by-catch (Hendrickx & Salgado-Barragan 1989: 248).

Squilla parva Bigelow, 1891

- 1891 *Squilla parva* Bigelow, John Hopkins Univ. Circ., 10: 274.
- 1894 *Squilla parva*, - Bigelow, Proc. U.S. natn. Mus., 17: 519-520, figs. 11-12.
- 1940 *Squilla parva*, - Allan Hancock Pac. Exped., 5: 168-169, fig. 14.
- 1972 *Squilla parva*, - Manning, Zoologica, N.Y., 56: 104.
- 1974 *Squilla parva*, - Manning, Steenstrupia, 3: 109.
- 1984 *Squilla parva*, - Hendrickx, Rev. Biol. Trop., 32 (2): 274.
- 1988 *Squilla parva*, - Murillo, An. Inst. Inv. Mar. Punta de Betín, 18: 100-101, fig. 4.

- 1989 *Squilla parva*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 245, tab. I, 246.
 1991 *Squilla parva*, - Illescas-Monterroso, Salgado-Barragán & Villalobos-Hiriart, An. Inst. Biol. Univ. Nac. Autón. Mexico, ser. Zool., 62 (3): 446-448.

Distribution: E-Pacific. - Gulf of California; Mexico (Manzanilla; off Punta Piaxtla; Tangola-Tangola Bay); El Salvador (La Libertad; Menguera Island, Gulf of Fonseca); Colombia (Bahía Buenaventura); Ecuador (Cabo San Francisco); Perú (Tumbes).

Depth range: subtidal-65m.

Habitat: mud, sandy mud, and mud with crushed shells; sand, stones; also "rocks, dead coral, mud, shells, leaves" (Manning, 1972: 104); "sustratos fangosos" (Murillo, 1988: 101).

Colour note: Bigelow (1894: 520) and Schmitt (1940: 168).

Size: ♀, 22-43mm; ♂, 19-35mm.

***Squilla prasinolineata* Dana, 1852**

- 1930 *Squilla mantis*, - Boone, Bull. Vanderbilt mar. Mus., 2: 12, 32, pl. 4.
 1934 *Squilla empusa*, - Glassell, Trans. San Diego Soc. nat. Hist., 7 (38): 454.
 1955 *Squilla prasinolineata*, - Lemos de Castro, Boll. Mus. Nac., Rio de Janeiro, n.s., Zool., 128: 15-18, figs. 12-15, pl. 3, fig. 35, pl. 13, fig. 46.
 1962 *Squilla prasinolineata*, - Tabb & Manning, Bull. mar. Sci. Gulf Caribb., 11 (4) (1961): 594.
 1967 *Squilla prasinolineata*, - Manning, Crustaceana, 12 (1): 105-106.
 1969 *Squilla prasinolineata*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 175-180, figs. 49, 50a [references].
 1969 *Squilla prasinolineata*, - Rouse, Quart. J. Fla. Acad. Sci., 32 (2): 135.
 1972 *Squilla prasinolineata*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1977 *Squilla prasinolineata*, - Manning, Rev. Suisse Zool., 84 (2): 292.

Distribution: tropical W-Atlantic, Florida to Brazil. - Florida; Mexico; Cuba; Jamaica; Virgin Islands; Brazil.

Depth range: shallow water.

Colour note: Manning (1969: 179-180).

Size: ♂, 80.6-90mm.

***Squilla rugosa* Bigelow, 1893**

- 1894 *Squilla rugosa*, - Bigelow, Proc. U.S. natn. Mus., 17: 541-543, figs. 23-24.
 1937 *Chloridiella rugosa* var. *pinensis* Lunz, Bull. Bingham oceanogr. Coll., 5 (5): 12-14, fig. 6.
 1959 *Squilla rugosa*, - Holthuis, Stud. Fauna Suriname, 3 (10): 174-177, pl. VIII, figs. 1-2.
 1961 *Squilla rugosa*, - Manning, Allan Hancock Atl. Exped., Rep. 9: 18-20, pl. 4, figs. 1-3.
 1969 *Squilla rugosa*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 155-160, figs. 43, 44a [synonymy].
 1973 *Squilla rugosa*, - Camp, Mem. Hourglass Cruises, 3 (2): 29-33, fig. 10, tab. 7.

- 1974 *Squilla rugosa*, - Zeiler, in: Tropical marine invertebrates of southern Florida and the Bahama Islands, New York: 70 and colour plate.
 1976 *Squilla rugosa*, - Becker, Harbor Branch Found., Inc., Tech. Rep., 9: 34 [unpublished manuscript].
 1976 *Squilla rugosa*, - Gore & Becker, Proc. biol. Soc. Wash., 89 (10): 170, figs. 11, 16, tabs. 1-3.
 1990 *Squilla rugosa*, - Werding & Müller, Caribb. J. Sci., 26 (3-4): 112.

Distribution: W-Atlantic. - Alabama; Mexico (Golfo de Campeche); Little Bahama Bank; Florida; Honduras; Cuba; Jamaica; Colombia (Barranquilla); British Guiana; Colombia; Suriname (off mouths of rivers).

Depth range: shallow subtidal-71m.

Habitat: "bottom mud and fine shells" (Holthuis, 1959: 174); "white sand and grass"; "on sand and shell" (Manning, 1969: 155, 160.).

Colour note: Manning (1969: 160); further notes in Holthuis (1959: 176) and Manning (1961: 20).

Size: ♀, 24-114.7mm; ♂, 18.7-125.2mm; juv. &, 18.2mm.

Remarks: Camp (1973: 29) gives several records from the stomach of fishes in the Gulf of Mexico and Caribbean Sea: *Diplectrum formosum*; *Lutjanus synagris*; *Scorpaena brasiliensis*; *Scorpaena calcarata*; *Syacium papillosum*; *Sciacyion micrurum*.

***Squilla surinamica* Holthuis, 1959**

- 1959 *Squilla surinamica* Holthuis, Stud. Fauna Suriname, 3 (10): 184-186, figs. 76e-g, pl. 8, fig. 5, pl. 9, fig. 5.
 1969 *Squilla surinamica*, - Manning, Stud. Trop. Oceanogr., 8, Inst. mar. Sci., Univ. Miami: 185-187, figs. 48b, 52.
 1972 *Squilla surinamica*, - Coelho & Koenig, Trab. Oceanogr. Univ. Fed. Pe., 13: 250, tab. [distribution in Brazil].
 1976 *Squilla surinamica*, - Fausto-Filho & Sampaio Neo, Arq. Ciên. Mar., 16 (2): 65.

Distribution: W-Atlantic. - French Guiana; Suriname; Venezuela; Brazil (Amapá; Pará).

Depth range: 19-273m.

Habitat: mudd bottoms, often off mouths of rivers.

Colour note: Manning (1969: 187); further note in Holthuis (1959: 186).

Size: 26.2-43.8mm; ♂, 31.3-40.9mm.

***Squilla tiburonensis* Schmitt, 1940**

- 1940 *Squilla tiburonensis* Schmitt, Allan Hancock Pac. Exped., 5 (4): 165, fig. 11.
 1972 *Squilla tiburonensis*, - Manning, Zoologica, N.Y., 56: 103.
 1980 *Squilla tiburonensis*, - Brusca, Stomatopoda, in: Common intertidal invertebrates of the Gulf of California; 2nd ed., Univ. Arizona Press: 244, fig. 13.7, pl. 3.
 1989 *Squilla tiburonensis*, - Hendrickx & Salgado-Barragan, Collana UZI (Unione Zool. Ital.) Sel. Symp. Monogr., 3: 242, 243, 245, tab. I.

1990 *Squilla tiburonensis*, - Hendrickx, Rev. Biol. Trop., 38 (1): 37.

Distribution: northern Gulf of California to Isla Espiritu Santo and Punta Piaxla; Mexico (Santa Inez Bay).

Depth range: 30-97m.

Colour note: Schmitt (1940: 165).

Size: ♀, 86mm; average length of adults 60-85mm.

***Squilloides* Manning, 1968**

1968 *Squilloides* Manning, Bull. mar. Sci., 18 (1): 131 [diagnosis, remarks].

***Squilloides leptosquilla* (Brooks, 1886)**

1886 *Squilla leptosquilla* Brooks, Sci. Rep. Res. Challenger (Zool.), 16: 30-34, pl. I, figs. 1-2.

1904 *Squilla leptosquilla*, - Jurich, Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia", 7: 370-372, pl. XXV (I), fig. 1-lb.

1904 *Squilla leptosquilla* var. *dentata* Jurich, Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia", 7: 372, pl. XXV (I), fig. 2.

1913 *Squilla leptosquilla*, - Kemp, Mem. Indian Mus., 4 (1): 46-48.

1926 *Squilla leptosquilla*, - Hansen, Siboga Exped. Monogr., 35: 10.

1967 *Squilla leptosquilla*, - Rao, Sebastian & Nair, J. mar. biol. Ass. India, 7 (1965): 468-469.

1972 *Squilloides leptosquilla*, - Manning, Proc. biol. Soc. Wash., 85 (24): 303, fig. 3a, d.

1984 *Squilloides leptosquilla*, - Moosa & Cleva, Mar. Res. Indonesia, 24: 80.

1985 *Squilloides leptosquilla*, - Moosa, Mém. Mus. natn. Hist. nat., sér. A, Zool. 133: 410-411.

1991 *Squilloides leptosquilla*, - Manning, Smiths. Contr. Zool., 521: 15 [tab.].

Distribution: off Nicobar Islands; Andaman Islands; SW-India; Indonesia (Banda Sea; Celebes Sea; Makassar Strait); Philippines.

Depth range: 170-767m.

Habitat: fine, grey and green mud.

Size: ♀, 34-134mm; ♂, 38-113mm.

***Squilloides tenuispinis* (Wood-Mason, 1891)**

1891 *Squilla tenuispinis* Wood-Mason, Ann. Mag. Nat. Hist., 7 (6): 271.

1913 *Squilla tenuispinis*, - Kemp, Mem. Indian Mus., 4 (1): 48-49, pl. 3, figs. 32-34 [references].

1988 *Squilla tenuispinis*, - Ghosh & Manning, Proc. biol. Soc. Wash., 101 (3): 659.

1991 *Squilloides tenuispinis*, - Manning, Smiths. Contr. Zool., 521: 15.

Distribution: India (off Ganjam coast, Madras; off Andaman Islands); Burma (off Cheduba Island, Arakan coast).

Depth range: 165-439m.

Size: ♀, 37-62mm; ♂, 35-58mm.

***Tuleariosquilla* Manning, 1978**

1978 *Tuleariosquilla* Manning, Smiths. Contr. Zool., 264: 30-32 [diagnosis, remarks].

***Tuleariosquilla parvula* Manning, 1978**

1978 *Tuleariosquilla parvula* Manning, Smiths. Contr. Zool., 264: 32-33, fig. 16.

Distribution: Madagascar (Songoritelo Reef).

Habitat: coral reef. - "micro-atoll platform" (Manning, 1978: 32).

Colour note: Manning (1978: 33).

Size: %, 13.5-14mm.

BIBLIOGRAPHY OF THE RECENT STOMATOPODA

This bibliography lists in alphabetic order the publications on Stomatopoda.

For your convenience to locate articles reporting on different subjects, several keywords for the most important publications are included, which can be used in the search-key of Word Perfect:

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anatomy - for papers reporting on organs of Stomatopoda, functional morphology, or histology.

behaviour

biology

cannibalism

circulatory system

commensalism

culture methods

cytology

development

ecology - different kind of ecological aspects.

embryology

excretion

feeding - the food of Stomatopoda.

fishery

food for fishes

genital system

gland

hormones

larvae

molting

morphology

musculature

nervous system

optical sense

parasitism

physiology

pigment

pollution - runs to all different kind of pollution of the

marine environment.
 predation
 reproduction
 respiration
 sampling methods
 setae

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