

Type-catalogue of the stomatopod Crustacea in the collections of the Nationaal Natuurhistorisch Museum

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In this catalogue the type specimens of stomatopod Crustacea in the collections of the Nationaal Natuurhistorisch Museum are listed in systematic order. An index to the scientific names is added.

Introduction

The International Commission on Zoological Nomenclature states in Recommendation 72G (4) of the International Code of Zoological Nomenclature (1985: 147, hereafter referred to as the Code) that: "every institution in which name-bearing types are deposited should ... publish lists of name-bearing types in its possession or custody ...". The type-catalogue presented is in accordance with this Recommendation, and emanates from the wish of the authors to fix the knowledge which is present in the crustacean department to the collection.

The present catalogue is a sequel to the type-catalogue of the decapod Crustacea (Fransen, Holthuis & Adema, 1997). In the decapod catalogue, a general introduction regarding the history of the crustacean collections of the Nationaal Natuurhistorisch Museum and notes on the methodology and use of the catalogue are provided. As a second appendix to the decapod catalogue, a list of pre-1900 sources of material is added which could be helpful when using this stomatopod catalogue.

The systematic order in which the stomatopod specimens are listed follows Manning (1995).

Incorporated are only types as recognized by the Code:

Holotype.— A single specimen designated as the name-bearing type of a species or subspecies when it was established, or the single specimen on which such a taxon was based when no type was specified [Art. 73a].

Lectotype.— A syntype designated as the single name-bearing type specimen subsequent to the establishment of a nominal species or subspecies [Art. 74].

Neotype.—The single specimen designated as the name-bearing type of a nominal species or subspecies for which no holotype, or lectotype, or syntype(s), or prior neotype, is believed to exist [Art. 75].

Syntype.—Each specimen of a type series from which neither a holotype nor a lectotype has been designated [Arts 72a (ii), 73b, 74].

Paratype.—Each specimen of a type series other than the holotype [Art. 72a (iii), Rec. 73D].

Paralectotype.—Each specimen of a former syntype series remaining after the designation of a lectotype [Art. 72a (iii), Rec. 74F].

The names used are the current scientific names as far as known to us. The original name is always provided when differing from the current name. In the index all specific names are listed.

Where possible, the data on the labels of the specimens are cited in their original form. The categories are: type + registration number: number of specimens, sex, preservation; locality; date of collecting; collector; person who donated the material. Information following the first full stop is provided by us. This information comes from sources like archives, museum correspondence, etc.

Labels which were originally in the Dutch language, have been translated in English. If a geographic name has changed in the course of history, the name and spelling in use when the specimen was collected has been adhered to. The current name is then placed in brackets. Initials of collectors and of those who donated specimens were added.

In case of a lectotype or neotype, the publication in which the type was designated is referred to.

A peculiar situation exists with some of De Haan's new species published in *Fauna Japonica*. The Stomatopoda occupy pp. 220-225 of De Haan's text, and were published in 1849; the stomatopod figures are found on pl. 51, which appeared in 1844. The specimens figured on pl. 51, being accompanied there with a name, actually represent the holotypes of De Haan's species. Where two or more specimens are present in De Haan's material, it usually is impossible to find out which specimen was actually figured. There also is the possibility that some of the figures are based on more than one specimen. Therefore we have treated all such material as syntypic, disregarding the difference in date between the text and the illustrations. The lectotypes chosen may be the same as the actual holotypes, but we can neither prove nor disprove this with certainty. In all such cases the term "lectotype" is given in quotation marks.

Type-catalogue of stomatopod Crustacea

Superfamilia Bathysquilloidea Manning, 1967

Familia Bathysquillidae Manning, 1967

Altosquilla soelae Bruce, 1985

Paratype RMNH S 1036: 1 specimen; NW Australia, 18°06.8'S 118°06.0'E; depth 448 m; 2.ii.1984; Fisheries Research Vessel "Soela" sta. 26; lobster trawl 9.0°C 07.84 a.m; don A.J. Bruce.

Superfamilia Gonodactyloidea Giesbrecht, 1910

Familia Eurysquillidae Manning, 1977

Manningia amabilis Holthuis, 1967

Holotype RMNH S 484: 1 specimen; Red Sea, Eritrea, Dahlak Archipelago, Museri, Camping Bay; sandy area in rock plateau; depth 0.1-0.5 m; Pro-noxfish; 22.x.1965; Israel South Red Sea Expedition no. 1523.

Paratypes RMNH S 485: 5 specimens; Red Sea, Eritrea, Dahlak Archipelago, Museri, Camping Bay; sandy area in rock plateau; depth 0-0.1 m; on top of suffocating layer of algae; 26.x.1965; Israel South Red Sea Expedition no. 2053.

Paratype RMNH S 486: 1 specimen; Red Sea, Eritrea, Dahlak Archipelago, Museri, Mangrove Bay;

sandy area in rock plateau; depth 0-0.1 m; Pro-noxfish; 23.x.1965; Israel South Red Sea Expedition no. 1548.

Manningia posteli Manning, 1977

Paratype RMNH S 815: 1 male; West Africa, off Sierra Leone, 8°00'N 13°21'W; depth 16 m; mud and shells; 5.iv.1956; leg. A.R. Longhurst, MB2/A3.

Paratype RMNH S 816: 1 male; West Africa, off Sierra Leone, mouth of Sierra Leone River, 09°22'N 13°27'W; depth 14 m; shells and mud; 13.xii.1956; leg. A.R. Longhurst, MB.6/E2.

Paratypes RMNH S 926: 3 specimens; West Africa, Sierra Leone, off Freetown; depth 10 fms; Van Veen grab; 11.xi.1955; leg. A. Longhurst, S6/D.

Manningia thorsoni Naiyanetr, 1987 (= *M. australiensis* Manning, 1970, according to Manning, 1995)

Holotype RMNH S 1042: 1 specimen; Airport Beach, Phuket Island, Thailand, coast of Andaman Sea; bottom grab; depth 20 m; 15.xii.1980; leg. J. Hylleberg; don. P. Naiyanetr.

Familia Gonodactylidae Giesbrecht, 1910

Gonodactylaceus falcatus (Forskål, 1775)

Neotype RMNH S 874: 1 female; Red Sea, near Djeddah (= Jiddah), Saudi Arabia, 1881; leg. J.A. Kruyt; taken from RMNH S 11. Neotype of *Cancer falcatus* Forskål, 1775. Selected by Manning & Lewinsohn, 1981.

Gonodactylellus snidvongsi (Naiyanetr, 1987) (= *G. hendersoni* (Manning, 1967) according to Manning, 1995).

Holotype RMNH S 1041: 1 specimen; Ko Kangkao, Chon Buri Province, Thailand; on *Porites*; 15.i.1985; leg. A. Snidvongs; don. P. Naiyanetr. Holotype of *Gonodactylus snidvongsi* Naiyanetr, 1987.

Gonodactylus chiragra (Fabricius, 1781)

Neotype RMNH S 860: 1 female; Indonesia, Moluccas, Ambon; 11-17.ix.1930; Snellius Exp. 1929-1930; taken from RMNH S 221. Neotype of *Squilla chiragra* Fabricius, 1781. Selected by Manning, 1981.

Neogonodactylus bredini (Manning, 1969)

Paratypes RMNH S 591: 2 males, 1 female; West Indies, Curaçao, mouth of Spaanse Water, near Nieuwpoort; between algae and seagrass; 25.xi.1956; leg. L.B. Holthuis, no. 1013. Paratypes of *Gonodactylus bredini* Manning, 1969.

Paratypes RMNH S 592: 4 males, 1 female; West Indies, Curaçao, beach of Marie Pompoen near Willemstad; between stones; 26.xii.1956; leg. L.B. Holthuis, no. 1028. Paratypes of *Gonodactylus bredini* Manning, 1969.

Paratypes RMNH S 593: 3 males, 2 females; West Indies, Curaçao, NW end of Fuik Baai; depth 0-0.5 m; sand and mud; 13.i.1957; leg. L.B. Holthuis, no. 1052. Paratypes of *Gonodactylus bredini* Manning, 1969.

Neogonodactylus petilus (Manning, 1970)

Paratype RMNH S 821: 1 female; off Caribbean coast of Panama, 09°32.1'N 78°33.5'W - 09°32.5'N 78°34.3'W; depth 53-59 m; scallop dredge; 19.vii.1966; "Pillsbury" sta. 421. Paratype of *Gonodactylus petilus* Manning, 1970.

Paratype RMNH S 822: 1 male; off Caribbean coast of Panama, 09°26.6'N 78°16.3'W - 09°26.8'N 78°17'W; depth 57-59 m; 10'Ottertrawl; 19.vii.1966; "Pillsbury" sta. 418. Paratype of *Gonodactylus petilus* Manning, 1970.

Familia Odontodactylidae Manning, 1980

Odontodactylus japonicus (De Haan, 1844)

"Lectotype" RMNH S 32: 1 female; Japan; 1823-1835; leg. P.F. von Siebold & H. Bürger. "Lectotype" of

Gonodactylus japonicus De Haan, 1844. "Lectotype" designated by Yamaguchi & Baba, 1993. "Paralectotypes" RMNH S 465: 1 male, 1 female, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotypes" of *Gonodactylus japonicus* De Haan, 1844.

Familia Parasquillidae Manning, 1995

Faughnia haani (Holthuis, 1959)

Holotype RMNH S 467: 1 female, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. Holotype of *Pseudosquilla haani* Holthuis, 1959. Holotype of *Squilla empusa* De Haan, 1844. *Squilla empusa* De Haan, 1844, is a junior primary homonym of *Squilla empusa* Say, 1818.

Parasquilla similis Manning, 1970

Paratypes RMNH S 820: 1 male, 1 female; Gulf of Panama, 08°00.7'N 79°11.8'W - 08°00.3'N 79°12.8'W; depth 84 m; 10'Ottertrawl; 6.v.1967; "Pillsbury" sta. 529.

Familia Protosquillidae Manning, 1980

Siamosquilla hyllebergi Naiyanetr, 1989

Paratype RMNH S 1098: 1 specimen; Thailand, Andaman Sea, N of Phuket, Ko Similan; 15.ii.1981; leg. J. Hylleberg; don. P. Naiyanetr.

Superfamilia Lysiosquilloidea Giesbrecht, 1910

Familia Heterosquillidae Manning, 1995

Heterosquilla latifrons (De Haan, 1844)

"Paralectotype" RMNH S 8: 1 female; Japan; 1823-1834; leg. Ph.F. von Siebold & H. Bürger. "Paralectotype" of *Squilla latifrons* De Haan, 1844.

"Lectotype" RMNH S 463: 1 specimen, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Lectotype" of *Squilla latifrons* De Haan, 1844. "Lectotype" designated by Yamaguchi & Baba, 1993.

Familia Lysiosquillidae Giesbrecht, 1910

Lysiosquilla hoevenii (Herklots, 1851)

Holotype RMNH S 14: 1 male; West Africa, Goldcoast (= Ghana), Boutry; leg. H.S. Pel. Holotype of *Squilla hoevenii* Herklots, 1851.

Lysiosquilla sulcirostris Kemp, 1913

Holotype RMNH S 12: 1 male; Japan; 1823-1835; leg. Ph. von Siebold & H. Bürger. Holotype of *Lysiosquilla sieboldi* Manning MS. On the label is written *Lysiosquilla sieboldi* Manning. However, Manning has not yet described the species (see Yamaguchi & Baba, 1993: 188, fig. 16)

Lysiosquilla tredecimdentata Holthuis, 1941

Holotype RMNH S 76: 1 specimen; Gulf of Aden, Hedjaff near Aden; 27.i.1930; leg. H. Strengers.

Familia Nannosquillidae Manning, 1980

Acanthosquilla phalangium (Fabricius, 1798)

Neotype RMNH S 1163: 1 male; India, Bombay; 1964; leg. S.R. Sane. Selected from lot RMNH S 504. Neotype for *Squilla phalangium* Fabricius, 1798. Neotype selected by L.B. Holthuis, 1999.

Acanthosquilla sirindhorn Naiyanetr, 1995

Holotype RMNH S 1155: 1 female; Thailand, Pattani Province, Pattani, Fishing harbour; among shrimps etc., on fish market; 8.vii.1993; leg. Miss Benchamaporn Wattanatongchai; don. P. Naiyanetr.

Nannosquilla grayi (Chace, 1958)

Paratype RMNH S 708: 1 male; U.S.A., Massachusetts, Bass River; 18.iii.1957; collected by A.B. Gray; don. U.S. National Museum, no. 111033. Paratype of *Lysiosquilla grayi* Chace, 1958.

Superfamilia Squilloidea Latreille, 1803

Familia Harpiosquillidae Manning, 1980

Harpiosquilla harpax (De Haan, 1844)

"Lectotype" RMNH S 28: 1 male; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Lectotype" of *Squilla harpax* De Haan, 1844. "Lectotype" designated by Yamaguchi & Baba, 1993.

"Paralectotype" RMNH S 460: 1 specimen, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotype" of *Squilla harpax* De Haan, 1844.

"Paralectotypes" RMNH S 478: 3 specimens; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotype" of *Squilla harpax* De Haan, 1844.

Familia Squillidae Latreille, 1803

Anchisquilla fasciata (De Haan, 1844)

Holotype RMNH S 472: 1 female, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. Holotype of *Squilla fasciata* De Haan, 1844.

Carinosquilla thailandensis Naiyanetr, 1983 (= *C. carinata* (Serène, 1950) according to R.B. Manning, 1995)

Paratypes RMNH S 877: 2 specimens; Ke Phai, Chonburi, Gulf of Thailand; 16.i.1981; leg. et don. P. Naiyanetr.

Clorida bombayensis Chhapgar & Sane, 1967

Paratype RMNH S 443: 1 specimen; India, Bombay; v-viii.1963; leg. B.F. Chhapgar.

Clorida rotundicauda (Miers, 1880)

Paratypes RMNH S 260: 7 females; Malaya, Selangor, Port Swettenham; -.xii.1934; leg. M.W.F. Tweedie; don. Raffles Museum, Singapore. Syntypes of *Squilla choprai* Tweedie, 1935.

Cloridina ichneumon (Fabricius, 1798)

Neotype RMNH S 1164: male; India, Bombay; 1964; leg. S.R. Sane. Selected from RMNH S 506. Neotype of *Squilla ichneumon* Fabricius, 1798. Neotype selected by L.B. Holthuis, 1999.

Lophosquilla costata (De Haan, 1844)

"Paralectotypes" RMNH S 23: 1 male, 3 females; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger.

"Paralectotypes" of *Squilla costata* De Haan, 1844.

"Lectotype" RMNH S 452: 1 female; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Lectotype" of *Squilla costata* De Haan, 1844. "Lectotype" designated by Yamaguchi & Baba, 1993.

"Paralectotype" RMNH S 470: 1 female, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotype" of *Squilla costata* De Haan, 1844.

Oratosquilla oratoria (De Haan, 1844)

"Paralectotypes" RMNH S 19: 3 males, 1 female; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger.

"Paralectotypes" of *Squilla oratoria* De Haan, 1844.

"Lectotype" RMNH S 451: 1 male; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Lectotype" of *Squilla oratoria* De Haan, 1844. "Lectotype" designated by Yamaguchi & Baba, 1993.

"Paralectotypes" RMNH S 475: 25 specimens, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotypes" of *Squilla oratoria* De Haan, 1844.

"Paralectotype" RMNH S 476: 1 specimen, dry; Japan; 1823-1834; leg. P.F. von Siebold & H. Bürger. "Paralectotype" of *Squilla oratoria* De Haan, 1844.

Oratosquillina asiatica (Manning, 1978)

Paratype RMNH S 342: 1 female; Indonesia, New Guinea (= Irian Jaya), Humboldt Bay near mouth of Tami River; 25.vi.1955; Dep. Zeevisserij, Hollandia. Paratype of *Oratosquilla asiatica* Manning, 1978.

Oratosquillina anomala (Tweedie, 1935)

Paratypes RMNH S 258: 1 male, 1 female; Singapore, Siglap; -vi.1934; don. M.W.F. Tweedie, Raffles Museum, Singapore. Paratypes of *Squilla anomala* Tweedie, 1935.

Oratosquillina simulans (Holthuis, 1967) (= *O. imperialis* Manning, 1965 according to Manning, 1995)

Holotype RMNH S 513: 1 specimen; Red Sea, Eritrea, near Massawa (= Mitsiwa); 7.ii.1958; O.H. Oren. n.E 58/299.8. Holotype of *Oratosquilla simulans* Holthuis, 1967.

Paratype RMNH S 514: 1 male; Red Sea, Israel, Gulf of Aqaba, Eylath; depth 34-4 fms; bottom: shell-gravel; dredge; fishing vessel "La merkhaw"; 7.ix.1966; leg. Ch. Lewinsohn sta. 8. Paratype of *Oratosquilla simulans* Holthuis, 1967.

Squilla cadenati Manning, 1970

Paratype RMNH S 781: 1 male; West Africa, off Ivory Coast, 5°04.5'N 4°51.5'W; depth 37 m; 6' Otter-trawl; 31.v.1964; "Pillsbury" sta. 47; don. Inst. Marine Sci. Miami, USNM no. 254799.

Paratypes RMNH S 782: 2 females; West Africa, off Ivory Coast, 4°44'N 6°16'W; depth 46 m; 6' Otter-trawl; 1.vi.1964; "Pillsbury" sta. 62; don. Inst. Marine Sci. Miami, USNM no. 256924.

Paratypes RMNH S 783: 4 males, 4 females; West Africa, off Ivory Coast, 5°07'N 4°32'W 5°07'N 4°36'W; depth 42-38 m; 6' Otter-trawl; 30.v.1964; "Pillsbury" sta. 46; don. Inst. Marine Sci. Miami, USNM no. 254799.

Paratypes RMNH S 784: 2 males, 2 females; West Africa, off Ghana, 4°40'N 2°00'W - 4°30'N 2°02'W; depth 48-53 m; 6' Otter-trawl; 28.v.1964; "Pillsbury" sta. 28; don. Inst. Marine Sci. Miami, USNM no. 254799.

Paratype RMNH S 785: 1 female; West Africa, off Ivory Coast, 5°02.5'N 3°49.5'W - 5°05'N 3°52'W; depth 75-62 m; 6' Otter-trawl; 30.v.1964; "Pillsbury" sta. 42; don. Inst. Marine Sci. Miami.

Paratype RMNH S 786: 1 female; West Africa, off Nigeria, 5°19'N 4°48'E - 5°07'N 4°55'E; depth 101 m; 10' Otter-trawl; 12.v.1965; "Pillsbury" sta. 237; don. Inst. Marine Sci. Miami, USNM no. 260506.

Squilla decimdentata Manning, 1970

Paratypes RMNH S 817: 5 males, 5 females; Venezuela, 10°43.5'N 64°16'W - 10°45.5'N 64°15'W; depth 39-33 fms; 10' Otter-trawl; 21.vii.1968; "Pillsbury" sta. 723.

Paratypes RMNH S 818: 2 males, 4 females; Venezuela, 10°48'N 63°13'W - 10°50'N 63°13'W; depth 25-28 fms; 41' Otter-trawl; 19.vii.1968; "Pillsbury" sta. 711.

Paratypes RMNH S 819: 2 females; Venezuela, 10°54.7'N 66°17.8'W - 10°57.6'N 66°18'W; depth 128-153 fms; 23.vii.1968; "Pillsbury" sta. 739.

Squilla lijdingi Holthuis, 1959

Paratypes RMNH S 304: many specimens; Surinam, NW of mouth of Marowijne river, 6°42'5 N 54°11'W; bottom mud; depth 23 fms; 14.vi.1957; R.V. "Coquette" sta. 220.

Paratypes RMNH S 305: ca. 20 specimens; Surinam, NW of mouth of Marowijne river, 6°42'5 N 54°10'W; bottom mud; depth 23 fms; 14.vi.1957; R.V. "Coquette" sta. 221.

Paratypes RMNH S 306: ca. 10 specimens; Surinam, off mouth of Marowijne river, 6°24'N 55°02.5'W; bottom: grey mud and shells; depth 15 fms; 11.v.1957; R.V. "Coquette" sta. 8.

Paratypes RMNH S 307: 7 specimens; Surinam, NNW of mouth of Marowijne river, 20 miles from the coast; depth 35 m; 8-12.iv.1957; second Cruise R.V. "Coquette".

Paratypes RMNH S 308: 3 specimens; Surinam, off mouth of Suriname River, 6°45'N 55°17'W; bottom: mud and shell-gravel; depth 24 fms; 28.vi.1957; R.V. "Coquette" sta. 298.

Paratypes RMNH S 309: 7 specimens; Surinam, NNW of mouth of Marowijne River, 20 miles off the coast; depth 15 fms; 29.iv-3.v.1957; fifth cruise of R.V. "Coquette".

Paratypes RMNH S 310: ca. 10 specimens; Surinam, 15 miles N of lightship "Suriname Rivier"; depth

ca. 10 fms; 3.v.1957; fifth cruise of R.V. "Coquette".

Paratypes RMNH S 311: 2 specimens; Surinam, off mouth of Suriname River, 6°25'N 55°05'W; depth 16 fms; 11.v.1957; R.V. "Coquette" sta. 4.

Paratypes RMNH S 312: 3 specimens; Surinam, 20 miles off mouth of Suriname River; depth 5 fms; 6-9.v.1957; sixth cruise R.V. "Coquette".

Holotype RMNH S 313: 1 specimen; Surinam, off mouth of Suriname River, 6°24.5'N 55°03'W; bottom: grey mud and shells; depth 15 fms; 11.v.1957; R.V. "Coquette" sta. 6.

Paratype RMNH S 314: 1 specimen; Surinam, NE off mouth of Coppename River, 6°47'N 55°40'W; bottom: mud and shellgravel; depth 25 fms; 26.vi.1957; R.V. "Coquette" sta. 283.

Paratypes RMNH S 315: 2 specimens; Surinam, off mouth of Suriname River, 6°25'N 55°04'W; bottom: grey mud and shells; depth 15 fms; 11.v.1957; R.V. "Coquette" sta. 5.

Paratypes RMNH S 316: 2 specimens; Surinam, off mouth of Suriname River, 6°25'N 55°05'W; bottom: shells; depth 15 fms; 11.v.1957; R.V. "Coquette" sta. 3.

Paratypes RMNH S 317: 2 specimens; Surinam, off mouth of Suriname River, 6°24.5'N 55°02.5'W; bottom: grey mud and shells; depth 15 fms; 11.v.1957; R.V. "Coquette" sta. 7.

Squilla mantis (Linnaeus, 1758)

Neotype RMNH S 373: 1 specimen; Croatia, between Split and Trogir; bottom with ascideans; depth 30 m; 24.viii.1960; Excursion Leiden Biologists. Neotype of *Cancer mantis* Linnaeus, 1758. Neotype selected by Holthuis, 1969.

Squilla obtusa Holthuis, 1959

Paratype RMNH S 319: 1 specimen; Surinam, off mouth of Suriname River, 6°45'N 5°17'W; bottom: mud and shellgravel; depth 24 fms; 28.vi.1957; R.V. "Coquette" sta 298.

Paratype RMNH S 320: 1 specimen; Surinam, NNW off mouth of Marowijne River, ca. 20 miles off the coast; depth 35 m; 8-12.iv.1957; second cruise R.V. "Coquette".

Holotype RMNH S 321: 1 specimen; Surinam, NW off mouth of Marowijne River, 6°42.5'N 54°10'W; depth 23 fms; bottom: mud; 14.vi.1957; R.V. "Coquette" sta. 221.

Paratype RMNH S 322: 1 specimen; Surinam, between mouth of Suriname and Marowijne River, 6°41'N 54°33'W; bottom: mud and shells; depth 22 fms; 14.vi.1957; R.V. "Coquette" sta. 209.

Squilla surinamica Holthuis, 1959

Holotype RMNH S 330: 1 specimen; Surinam, near lightship "Suriname Rivier"; depth 7 m; 3.v.1957; fifth cruise R.V. "Coquette".

Paratype RMNH S 331: 1 specimen; Surinam, near lightship "Suriname Rivier"; trawl; xii.1953; leg. D.C. Geijskes.

Paratypes RMNH S 332: 5 specimens; Surinam, 15 miles N off mouth of Suriname River; depth ca. 10 fms; 3.v.1957; fifth cruise R.V. "Coquette".

Paratype RMNH S 333: 1 specimen; Surinam, 20 miles N off mouth of Suriname River; depth 5 fms; 6-9.v.1957; sixth cruise R.V. "Coquette".

Paratype RMNH S 334: 1 specimen; French Guyana, off western French Guyana, 6°00'N 53°29'W; hard mud; depth 15 fms; 21.v.1957; R.V. "Coquette" sta. 66.

Paratype RMNH S 335: 1 specimen; French Guyana, off western French Guyana, 5°49'5N 53°09'W; mud and coral, shells and rocks; depth 15 fms; 22.v.1957; R.V. "Coquette" sta. 86.

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Index

<i>amabilis</i> , <i>Manningia</i>	382	<i>ichneumon</i> , <i>Squilla</i>	385
<i>anomala</i> , <i>Oratosquillina</i>	386	<i>imperialis</i> , <i>Oratosquillina</i>	386
<i>anomala</i> , <i>Squilla</i>	386	<i>japonicus</i> , <i>Gonodactylus</i>	383
<i>asiatica</i> , <i>Oratosquilla</i>	386	<i>japonicus</i> , <i>Odontodactylus</i>	383
<i>asiatica</i> , <i>Oratosquillina</i>	386	<i>latifrons</i> , <i>Heterosquilla</i>	384
<i>australiensis</i> , <i>Manningia</i>	383	<i>latifrons</i> , <i>Squilla</i>	384
Bathysquillidae	382	<i>lijdingi</i> , <i>Squilla</i>	386
Bathysquilloidea	382	Lysiosquillidae	384
<i>bombayensis</i> , <i>Clorida</i>	385	Lysiosquilloidea	384
<i>bredini</i> , <i>Gonodactylus</i>	383	<i>mantis</i> , <i>Cancer</i>	387
<i>bredini</i> , <i>Neogonodactylus</i>	383	<i>mantis</i> , <i>Squilla</i>	387
<i>cadenati</i> , <i>Squilla</i>	386	Nannosquillidae	384
<i>carinata</i> , <i>Carinosquilla</i>	385	<i>obtusa</i> , <i>Squilla</i>	387
<i>chiragra</i> , <i>Gonodactylus</i>	383	Odontodactylidae	383
<i>chiragra</i> , <i>Squilla</i>	383	<i>oratoria</i> , <i>Oratosquilla</i>	385
<i>choprai</i> , <i>Squilla</i>	385	<i>oratoria</i> , <i>Squilla</i>	385
<i>costata</i> , <i>Lophosquilla</i>	385	Parasquillidae	384
<i>costata</i> , <i>Squilla</i>	385	<i>petilus</i> , <i>Gonodactylus</i>	383
<i>decimdentata</i> , <i>Squilla</i>	386	<i>petilus</i> , <i>Neogonodactylus</i>	383
<i>empusa</i> , <i>Squilla</i>	384	<i>phalangium</i> , <i>Acanthosquilla</i>	384
Eurysquillidae	382	<i>phalangium</i> , <i>Squilla</i>	384
<i>falcatu</i> , <i>Cancer</i>	383	<i>posteli</i> , <i>Manningia</i>	383
<i>falcatu</i> , <i>Gonodactylaceus</i>	383	Protosquillidae	384
<i>fasciata</i> , <i>Anchisquilla</i>	385	<i>rotundicauda</i> , <i>Clorida</i>	385
<i>fasciata</i> , <i>Squilla</i>	385	<i>sieboldi</i> , <i>Lysiosquilla</i>	384
Gonodactylidae	383	<i>similis</i> , <i>Parasquilla</i>	384
Gonodactyloidea	382	<i>simulans</i> , <i>Oratosquilla</i>	386
<i>grayi</i> , <i>Lysiosquilla</i>	385	<i>simulans</i> , <i>Oratosquillina</i>	386
<i>grayi</i> , <i>Nannosquilla</i>	385	<i>sirindhorn</i> , <i>Acanthosquilla</i>	384
<i>haani</i> , <i>Faughnia</i>	384	<i>snidvongsi</i> , <i>Gonodactylellus</i>	383
<i>haani</i> , <i>Pseudosquilla</i>	384	<i>snidvongsi</i> , <i>Gonodactylus</i>	383
<i>harpax</i> , <i>Harpiosquilla</i>	385	<i>soelae</i> , <i>Altosquilla</i>	382
<i>harpax</i> , <i>Squilla</i>	385	Squillidae	385
Harpiosquillidae	385	Squilloidea	385
<i>hendersoni</i> , <i>Gonodactylellus</i>	383	<i>sulcirostris</i> , <i>Lysiosquilla</i>	384
Heterosquillidae	384	<i>surinamica</i> , <i>Squilla</i>	387
<i>hoevenii</i> , <i>Lysiosquilla</i>	384	<i>thailandensis</i> , <i>Carinosquilla</i>	385
<i>hoevenii</i> , <i>Squilla</i>	384	<i>thorsoni</i> , <i>Manningia</i>	383
<i>hyllebergi</i> , <i>Siamosquilla</i>	384	<i>tredecimdentata</i> , <i>Lysiosquilla</i>	384
<i>ichneumon</i> , <i>Cloridina</i>	385		

