

日本産等脚目甲殻類目録（予報）

著者	齋藤 暢宏, 伊谷 行, 布村 昇
雑誌名	富山市科学文化センター研究報告
号	23
ページ	11-107
発行年	2000-03-25
URL	http://repo.tsm.toyama.toyama.jp/?action=repository_uri&item_id=744

日本産等脚目甲殻類目録 (予報) *

齋藤 暢宏

(株)水土舎広島営業所

〒730-0052 広島市中区千田町2-7-17

伊谷 行

京都大学瀬戸臨海実験所

〒649-2211 和歌山県西牟婁郡白浜町459

布村 昇

富山市科学文化センター

〒939-8084 富山市西中野町1-8-31

A Preliminary Check List of Isopod Crustaceans in Japan

Nobuhiro Saito

Hiroshima Office, Suido-sha Co. Ltd.

Senda-machi, Naka-ku, Hiroshima, JAPAN

Gyo Itani

Seto Marine Biological Laboratory

Shirahama, Wakayama, JAPAN

Noboru Nunomura

Toyama Science Museum

Nishi nakano-machi, Toyama, JAPAN

Hitherto, more than 300 species of isopod crustaceans have been reported in Japan and its neighboring waters, but no comprehensive catalogue has been published in this country. Therefore, in order to promote studies on the group, Saito has prepared a tentative catalogue on isopod crustaceans in Japan. Nunomura (on all the order but the suborder Epicaridea) and Itani (on the suborder Epicaridea) revised the draft.

In the present paper, we listed 644 species (29 species of Anthuridea, 19 species of Gnathiidea, 161 species of Asellota, 100 species of Epicaridea, 75 species of Valvifera, 120 species of Flabellifera and 139 species of Oniscidea and 1 species of Tyloidea).

従来わが国ならびに近隣海域では、300種以上の等脚目甲殻類が報告されていた。しかし、包括的な目録が公にされたことは無かったので、著者のひとり齋藤が、わが国ならびに近隣海域を含めて、文献を調査し、目録を作成した。それを伊谷(ヤドリムシ亜目)、布村(ヤドリムシ亜目以外)が吟味した。本目録では644種(ウミナナフシ亜目29種、ウミクワガタ亜目19種、ミズムシ亜目161種、ヤドリムシ亜目100種、ヘラムシ亜目75種、有扇亜目120種、ワラジムシ亜目139種、ハマダンゴムシ亜目1種)を報告した。

はじめに

等脚目甲殻類は十脚目や端脚（ヨコエビ）目と共に最も普通に採集される大型底生甲殻類である。布村（1995; 1997a）によると本邦には約300種の既知種が報告されているが、わが国におけるこの類の分類学に関する研究はまだ遅れており、未記載種も多いと考えられる。ヨコエビ類の研究動向についてもほぼ同様であるが、Ishimaru（1994）は日本産ヨコエビ類約320種のチェックリストを公表した。等脚類についてはこのようなリストは公表されておらず、その必要性を感じた齋藤が自らの収集した文献に基づき目録を作成したものである。それに布村がヤドリムシ亜目を除くグループについて「明らかに学名の訂正になった種」を修正し、いくつかの欠落していた重要文献だけを付け加えたものである。また、この両名が従来研究したことのないヤドリムシ亜目については伊谷が、同様な追加訂正を行った。今回日本及びその近海を含めて、644種（内訳はウミナナフシ亜目29種、ウミクワガタ亜目19種、ミズムシ亜目161種、ヤドリムシ亜目100種、ヘラムシ亜目75種、有扇亜目120種、ワラジムシ亜目139種、ハマダンゴムシ亜目1種。なお、種名のついていないものは種数から除く）の等脚目甲殻類をリストアップした。収集した情報量が完全とはいえないが、これから日本産等脚類の研究を進めるにあたり、手がかりになると考え公表する。

収集した文献を元にシノニムリストをとりまとめ、報告地も併記した。なお、著者名にアステリクス（*）のついたものは直接論文に当たったものではなく、間接的な引用である。文献によりシノニムの関係が異なっている場合があり、本報告が現在有効なリストであるかどうかは不明である。特に有扇亜目のコツブムシ科についてはかなり混乱していたといえる。寄生性の種については宿主も記述した。学名・和名とも原著にしたがったため、現在では名前の変更されているものも多く含まれている。Kussakinによるモノグラフ（1979a; 1982; 1988）、Gurjanovaによるモノグラフ（1936

b）及びThielemann（1910）の報告等の重要文献については、記載される種のうち、分布に「日本」または「日本海」と記述されるものをピックアップした。

これらの中には既知の論文中（椎野や布村等）に掲載されていない種が多くあり、これらの種はシノニムとして整理されている可能性も考えられる。

本目録には多くの図鑑類を引用している。これら図鑑については以下の略称を用いて示している。〔学水動〕学研生物図鑑水生動物、内海富士夫監修，1981，学研；〔旧日動〕日本動物図鑑改訂版，内田清之助監修，1957，北隆館；〔原動大〕原色動物大図鑑（IV），岡田要・内田清之助・内田亨監修，1961，北隆館；〔原海動〕原色日本海岸動物図鑑，内海富士夫，1956，保育社；〔原甲検〕原色甲殻類検索図鑑，武田正倫，1982，北隆館；〔標原海〕海岸動物図鑑：標準原色図鑑全集 16，内海富士夫・西村三郎・鈴木克美，1971，保育社；〔検日海〕原色検索日本海岸動物図鑑（II），西村三郎編，1995，保育社；〔日土検〕日本産土壌動物検索図説，青木淳一監修，1991，東海大学出版会；〔日海プ〕日本産海洋プランクトン検索図説，千原光雄・村野正昭編，1997，東海大学出版会；〔日淡水〕日本淡水生物学（河村多寛二原著），上野益三，1973，北隆館；〔新日動〕新日本動物図鑑（中），岡田要編，1965，北隆館；〔山溪海〕海辺の生き物：山溪フィールドブックス⑧，奥谷喬司・楚山 勇監修，1994，山と溪谷社。

謝 辞

本研究を進めるにあたり、文献収集の便宜を図っていただいた。京都大学名誉教授の西村三郎博士，日本海区水産研究所の橋詰和慶博士，筑波大学の田中克彦氏，奈良女子大学の村田優子氏，北海道区水産研究所の宇田川徹氏，株式会社東海アクアノーツの早瀬善正氏，広島大学の河村芳文氏，瑞浪市化石博物館の唐澤宏明氏に感謝する。

Order Isopoda : 等脚目

Suborder Anthuridea : ウミナナフシ亜目

Family Hyssuridae : カワリウミナナフシ科

***Eisothistos nipponicus* Nunomura, 1984** カワリウミナナフシ

Nunomura, 1984c, p.51, figs. 1-3 (Shimoso Harbour, 0.4m deep; Hannan-cho, Sennan-gun, Osaka Pref.; Kukatsujima, Tachibana Ura, Tachibana Bay, Tokushima Pref., Shikoku).-- Nunomura, 1993c, p.29 (Shimosho-Harbour, Han'nan-cho, Osaka Pref.).-- 布村 [検日海], 1995, p.209, fig. 21-197A (大阪湾の潮間帯).-- 稲葉, 1988, p.139

(大阪府泉南郡阪南町下荘港).

Family Anthuridae : スナウミナナフシ科

***Amakusanthura longiantennata* Nunomura, 1977** ヒゲナガウミナナフシ

Nunomura, 1977, p.80, figs. 7-8 (Tomiooka Bay, from *Zosera marina* bed, 3-4m deep).-- 布村 [検日海], 1995, p. 210, fig. 21-197F (熊本県天草のアマモ帯).

***Amakusanthura toyamaensis* Nunomura, 1992** アリソヒゲナガウミナナフシ

Amakusanthura[sic.] *toyamaensis* Nunomura, 1992b, p.25, figs. 1 & 2 (Shinminato City, Toyama Pref., intertidal zone).

Amakusanthura toyamaensis, 布村 [検日海], 1995, p.210, fig. 21-197G (富山湾新湊の潮間帯).

***Ananthura rigida* Nunomura, 1976** カタウミナナフシ

Nunomura, 1976b, p.93, figs. 1-2 (Suruga Bay: lat. 34° 55.6' N, long. 138° 40.3' E- lat. 34° 55.3' N, long. 138° 40.3' E, 100-1050m deep).-- Ohta, 1983, p.228 (Suruga Bay, 1030m deep).

***Apanthura fusei* Nunomura, 1993** フセウミナナフシ

Nunomura, 1993c, p.16, fig. 1 (Enohama, Aji-cho, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.210, fig. 21-197H (瀬戸内海の潮間帯).

***Apanthura shikokuensis* Nunomura, 1993** シコクウミナナフシ

Nunomura, 1993c, p.20, fig. 3 (Kizawa, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.210, fig. 21-197J (瀬戸内海の潮間帯).

***Apanthura trioculata* Nunomura, 1993** ミツメウミナナフシ

Nunomura, 1993c, p.18, fig. 2 (west of Noumisaki; Kizawa; Nishiwaki; Enohama, all Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.210, fig. 21-197I (瀬戸内海の潮間帯).

***Apanthura* sp. Nunomura, 1975**

Nunomura, 1975, p.19, fig. 3 (Higashi-tarumi, Kobe City, Hyogo Pref., among foldfast of *Undaria pinnatifida*).

***Apanthura* sp. Nunomura, 1992**

Nunomura, 1992e, p.54, fig. 5 (Kuroshima, Yaeyama Is., Okinawa Pref.).

***Apanthura* sp. 1 Nunomura, 1985**

Nunomura, 1985c, p.102, fig. 2 (Noumisaki; Oogoshi; Kizawa; Goten; Kamano; Enohama; mouth of Kamobegawa River & Nishiwaki, all Kagawa Pref., from subtidal zone).

***Apanthura* sp. 2 Nunomura, 1985**

Nunomura, 1985c, p.104, figs. 3-4 (Enohama, Kagawa Pref., from subtidal zone).

***Cyathura carinata* (Krøyer, 1846)**

Anthura carinata *Krøyer, 1846, p.402.-- *Krøyer, 1849, p.27, pl. 17, fig. 3.- *Schiodte, 1875-76, p.211, pl. 9, figs. 1-14.-- *Schiodte, 1876, p.253.-- *Meinert, 1877, p.77.-- *Meinert, 1880, p.470.-- *Kuhlgatz, 1898, p.148, pl. 3, figs. 4-19.-- *Apstein, 1908, p.43.

Cyathura carinata, *Norman & Stebbing, 1886, p.124.-- *Richardson, 1900, p.215.-- *Richardson, 1901, p.508.-- Richardson, 1905, p.63, figs. 47-50.-- *Barnard, 1925, p.140.-- *Stammer, 1932, p.599.-- *Loven, 1934, p.9.-- Gurjanova, 1936b, p.126, fig. 72 (Okhotsk Sea).-- *Lundstrom, 1937, p.172.-- *Nierstrasz, 1941, p.241.-- *Steohensen, 1948, p.19.-- *Holthuis, 1949, p.165.-- *Holthuis, 1956, p.38.-- *Urbanski, 1950, p.271.-- *Cleret, 1960, p.433.-- *Miller & Burbank, 1961, p.65, figs. 1b, c, 2c, d, g, h, 3a, 4c, d, f, h, i, 5b, e, f, h, i, 6c, d, f, g.-- *Gruner, 1965, p.30, Abb. 18-21.-- *Dominiak, 1965, p.43.-- *Schultz, 1969, p.107, fig. 148.-- *Naylor, 1972, p. 20, figs. 6D-F.-- Kussakin, 1982, p. 29, figs. 13-15.

Cyathura estuaria *Barnard, 1914, p.334.

Anthura gracilis (non Montagu), *De Kay, 1844, p.44, pl. 9, fig. 34.-- *Dahl, 1916, p.21.

***Cyathura higoensis* Nunomura, 1977** ヒゴスナウミナナフシ

Nunomura, 1977, p.71, fig. 1 (mouth of Midori River; Uto City, Kumamoto Pref.)-- 布村, 1993, p.87-- 布村 [検日海], 1995, p.210, fig. 21-197D (熊本県緑川河口をはじめ, 西日本の河口や浅海)-- Kim & Kwon, 1988a, p.197, fig. 2 (Cheju I., Korea).

***Cyathura kikuchii* Nunomura, 1977** キクチスナウミナナフシ

Nunomura, 1977, p.73, figs.2-3 (sand bottom, 30cm deep in a ditch near the estuary of Tatara River, Hakozaki, Fukuoka City, Fukuoka Pref.; Chijiwa Bay, St. 6126, off Amakusa; sandy-mud bottom, 4m deep, at *Zostera* bed in Tomioka Bay)-- Nunomura, 1985c, p.102 (Nishiwaki; Enohama; Noumisaki; mouth of Kamobegawa River; Oogoshi & Kizawa, all Kagawa Pref., from subtidal zone)-- Nunomura, 1993c, p.24 (west of Noumisaki; Kabegawa River, Shido-cho; Goten, Aji cho; Nishiwaki, Sakaide City, all Kagawa Pref., from subtidal zone)-- 布村, 1993, p.87-- 布村 [検日海], 1995, p.210, fig. 21-197C (福岡県の多々良川河口付近の水路, 西日本各地の河口や浅海)-- 稲葉, 1988, p.138 (瀬戸内海備讃瀬戸の坂出市西脇, 乃生岬, 木沢; 江ノ浜; 志度町鴨部川).

***Cyathura muromiensis* Nunomura, 1974** ムロミスナウミナナフシ

Nunomura, 1974b, p.13, figs. 1-2 (intertidal muddy bottom mingled with sand, about 300m from the mouth of the Muromi River, Fukuoka City, northern Kyushu)-- Nunomura, 1981a, p.43, fig. 1 (Kokufubashi Bridge, Kokufu River, Mano-machi, Sado I., Niigata Pref.)-- 布村, 1993, p.87-- 布村 [検日海], 1995, p.210, fig. 21-197B (日本各地の河川の下流や河口域).

***Cyathura omorii* Nunomura, 1992** オオモリスナウミナナフシ (オオモリウミナナフシ)

Nunomura, 1992e, p.49, fig. 2 (estuary of the Urauchi River, Taketomi-cho, Iriomote I., Okinawa Pref.)-- 布村 [検日海], 1995, p.210, fig. 21-197E (沖縄県西表島の浦内川河口付近).

***Cyathura* sp. (aff. *muromiensis* Nunomura, 1974)** スナウミナナフシの一種

布村, 1987, p.2 (山田湾, 三陸).

***Cyathura* sp. Nunomura, 1977**

Nunomura, 1977, p.78, fig. 4 (Shiroiwazaki, Tomioka, Reihoku-cho, Kumamoto Pref., from intertidal beach with shell).

***Cyathura* sp. Nunomura, 1992**

Nunomura, 1992e, p.51, fig. 3 (Gusukube-cho, Miyako I., Okinawa Pref.).

***Haliophasma* (?) sp. Nunomura, 1993** ミナミウミナナフシ属(?)の1種

Nunomura, 1993c, p.22, fig. 4 (Ohba, Misaki-cho, Ehime Pref.)-- 布村 [検日海], 1995, p.210, fig. 21-197K (香川県の潮間帯).

***Mesanthura atrata* Nunomura, 1985** スミイロウミナナフシ

Mesanthura [sic.] *atrata* Nunomura, 1985d, p.121, fig. 2 (Nakadomari, Himi-shi, Toyama Pref., 1m deep, rocky shore).

Mesanthura atrata, 布村 [検日海], 1995, p.212, fig. 21-197N (富山湾の転石海岸の潮間帯)-- 布村, 1999b, p.32 (富山湾氷見海岸中泊).

***Mesanthura miyakoensis* Nunomura, 1979** モヨウウミナナフシ

Mesanthura miyakoensis Nunomura, 1979a, p.31, figs. 1 & 2 (Karimata, Hirara City, Miyakojima I., Ryukyu Is., 3m deep, on a rock near a coral reef)-- 布村 [検日海], 1995, p.211, fig. 21-197L (沖縄県宮古島の砂底).

***Mesanthura nigrodorsalis* Nunomura, 1977** セグロウミナナフシ

Nunomura, 1977, p.77, figs. 5-6 (west coast of Tsuji-shima I., Itsuwa-cho, among the brown alge, *Sargassum* sp.; Shiroiwazaki, Reihoku-cho, from intertidal zone, both Amakusa, Kumamoto Pref.)-- 布村 [検日海], 1995, p.211, fig. 21-197M (熊本県天草).

***Mesanthura* sp. (aff. *miyakoensis* Nunomura, 1979)**

Nunomura, 1992e, p.53, fig. 4 (Kuroshima, Yaeyama Is., Okinawa Pref.).

Anthuridae sp. Nunomura, 1977

Anturidae [sic.] sp. Nunomura, 1977, p.82, fig. 9 (Tomioka Bay, Kumamoto Pref., from sandy mud bottom at *Zostera marina* bed).

Anthuridae sp. Nunomura, 1985

Nunomura, 1985c, p.105, fig. 5 (Kizawa, Kagawa Pref., from subtidal zone).

unidentified species sp. A

Kikuchi, 1968, p.177, no. 221 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).

unidentified species sp. B

Kikuchi, 1968, p.177, no. 222 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).

unidentified species sp. C

Kikuchi, 1968, p.177, no. 223 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).

Family Paranthuridae : ウミナナフシ科

Accalathura ochotensis Nunomura, 1976 オオウミナナフシ

Nunomura, 1976a, p.27, figs. 1 & 2 (Okhotsk Sea, Lat. 44° 95.0' N, Long. 144° 25.3' E, 390m deep, sandy silt, bottom water temperature 2.9°C).

Calathura brachiata (Stimpson, 1853)

Anthura brachiata *Stimpson, 1853, p.43.-- *Verrill, 1873, p.101.-- *Verrill, 1874, pp.42, 411, 502.-- *Verrill, 1874, pp.350, 357.-- *Harger, with Verrill, 1873, pp.511(217), 573(279).-- *Smith & Harger, 1874, p.16.-- *Harger, 1880, p.402, pl. 11, fig. 70

Paranthura norvegica *G. O. Sars, 1873, p.88.-- *Harger, 1880, p.402, pl. 11, fig. 70.-- *Hansen, 1887, p.203.-- *Axel Ohlin, 1895, p.12.

Anthura arctica, *Heller, 1875, p.14, pl. 4, figs. 9-12.

Paranthura arctica, *G. O. Sars, 1877, p.347.-- *Heller, 1878, p.38, pl. 4, figs. 9-12.

Calathura norvegica, *G. O. Sars, 1899, p.45, pl. 19, fig. 1.-- *Zirwas, 1910, p.80.

Paranthura brachiata, *Harger, 1880, p.402, pl. 11, fig. 70.-- *Weber, 1884, p.4.-- *Hansen, 1887, p.203.-- *Ohlin, 1895, p.12.

Calathura brachiata, *Norman & Stebbing, 1886, p.131, pl. 26, fig. 1.-- *Hansen, 1888, p.181.-- *G. O. Sars, 1899, p.46, pl. 19, fig. 2.-- *Stebbing, 1900, p.13.-- *Richardson, 1900, p.215.-- *Richardson, 1901, p.509.-- Richardson, 1905, p.72, figs. 56-57.-- *Axel Ohlin, 1901, p.17.-- *Zirwas, 1910, p.80.-- *Stephensen, 1912, p.574.-- *Stephensen, 1913, p.229.-- *Stephensen, 1916, p.297.-- *Stephensen, 1943, p.44, fig. 8.-- *Hansen, 1916, p.183, pl. 15, fig. 3.-- *Boone, 1920, p.17D.-- *Barnard, 1925, p.152.-- *Nierstrasz & Schuurmans-Stekhoven, 1930, Xe 82, fig. 21.-- *Gurjanova, 1932, p.87, pl. 32, 136.-- *Gurjanova, 1933, p.431.-- Gurjanova, 1936b, p.129, fig.74 (Okhotsk Sea).-- *Menzies, 1962, p.191, fig. 71.-- Schultz, 1969, p.102, fig. 140.-- *Just, 1970, p.9.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 24-4675m deep).-- Kussakin, 1982, p.46, figs. 27-30.

Colanthura nigra Nunomura, 1975 クロアシタラズウミナナフシ

Nunomura, 1975, p.21, figs. 4-5 (Nakamura, Hokutan-cho, Awaji I., Hyogo Pref., among algal colonites, 2m deep and several meters off shore line, rocky with sandy area neighbourhood, and pretty dirty with trashes such as skeletons of fishes and discarded empty can or plastic materials).-- Nunomura, 1977, p.89 (off Uze, Tomioka, Kumamoto Pref., from shelly sand bottom, 45m deep).-- Nunomura, 1993c, p.27 (Hokutan-cho, Awaji I., Hyogo Pref.).-- 布村 [検日海], 1995, p.213, fig. 21-198I (日本各地).-- 稲葉, 1988, p.139 (播磨灘の兵庫県津名郡北淡町中村).

Colanthura setouchiensis Nunomura, 1993 セトウチアシタラズウミナナフシ

Colantura[sic.] setouchiensis Nunomura, 1993c, p.27, figs. 6-7 (Ryozaki & Sumiyoshizaki, Kunimi-cho, Ooita Pref., from *Sargassum* bed).

Colanthura setouchiensis, 布村 [検日海], 1995, p.213, fig. 21-198J (大分県国東半島).

Paranthura alba Nunomura, 1977 シロウミナナフシ

Nunomura, 1977, p.83, figs. 10-11 (Tsuji-sima I., Itsuwa-cho, Kumamoto Pref., from shelly sand bottom under

the boulder in low intertidal zone).-- 布村 [検日海], 1995, p.213, fig. 21-198D (熊本県天草のホンダワラ群落).

***Paranthura hasticauda* Nunomura, 1974** ヤリオウミナナフシ (ヤリボウミナナフシ)

Nunomura, 1974a, p.2, fig. 1 (off mouth of Hiki River, Hikigawa Town, Kii Peninsula).-- 布村 [検日海], 1995, p.212, fig. 21-198B (和歌山県日置川河口).

***Paranthura japonica* Richardson, 1909** ヤマトウミナナフシ (ウミナナフシ)

Richardson, 1909, p.77, figs. 4-5 (Mororan).-- Gurjanova, 1936b, p.128, fig. 73 (the Sea of Japan).-- *Nierstrasz, 1941, p.252.-- *Kussakin, 1950.-- *Kussakin, 1956, p.112.-- Kussakin, 1974, p.241, fig. 12 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-5m deep).-- Kussakin, 1982, p.54, figs. 35-38.-- 内海 [原海動], 1956, p.54, pl.27, no.1 (本邦各地. 潮間帯あるいは汽水湖の石の下や海藻の間).-- 岩佐 [旧日動], 1957, p.805, fig. 2318 (北海道より九州に至る各地の干満線の石の下, 海藻の間).-- 椎野 [新日動], 1965, p.541, no. 714 (北海道より九州に至る沿岸に普通. 汀線帯の石下, 海藻の間等に生息).-- *Mokjevskii, 1960, p.251.-- Nunomura, 1975, p.28, figs. 10-12 (Mororan, during the navigation of the "Albatros"; Petrov I., Sea of Japan, from tidal zone by Gurjanova).-- Nunomura, 1977, p.86, fig. 12 (Takamatsu in Tomioka, from the colony of brown algae, *Sargassum* sp.; off Shiki, Tomioka Bay, 7m deep; Tsujishima I., Itsuwacho, from the colony of brown algae, *Sargassum* sp., all Amakusa, Kumamoto Pref.).-- Nunomura, 1981a, p.44, fig. 2 (Tassya, Aikawa-machi; Lake Kamoko, Sado I., Niigata Pref.).-- Nunomura, 1985c, p.106 (mouth of Ayagawa River & Oogoshi, Kagawa Pref., from subtidal zone).-- Nunomura, 1985d, p.124 (Misaki; Hamakurosaki; Iwase; Yokata; Uchiide; Ashiarai; Amaharashi; Unami; Yatsugasaki; Kinoura; Magari; Iwaguruma & Mitsuke, all Toyama Bay).-- 布村, 1987, p.2 (大槌湾, センター前突堤及び岩礁).-- Nunomura, 1991b, p.27 (Ebisuiwa; Oshoro, Otaru City; Lake Notoroko & Notoro misaki, Abashiri City; Akkeshi Bay; Usu Bay, 15m deep, *Zostera* zone, sandy bottom, Hokkaido Pref.).-- Nunomura, 1993c, p.26 (Tagurazaki, Wakayama City; mouth of Ayagawa River & Oogoshi, Sakaide City, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.212, pl. 81-10 (日本海沿岸及び太平洋の各地, 潮間帯~潮下帯の石の下, 海藻の間, 砂中).-- 布村, 1999b, p.32 (富山湾氷見海岸宇波).-- 稲葉, 1988, p.1938 (瀬戸内海備讃瀬戸の坂出市綾川河口及び王越).

***Paranthura kagawaensis* Nunomura, 1993** カガワウミナナフシ

Nunomura, 1993c, p.24, fig. 5 (west of Noumisaki, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.213, fig. 21-198F (香川県沖の藻場).

***Paranthura kobensis* Nunomura, 1975** コウベウミナナフシ

Nunomura, 1975, p.25, figs. 8-9 (Takino-chaya, Tarumi, Kobe City, Hyogo Pref., from littoral zone).-- Nunomura, 1985c, p.106 (mouth of Ayagawa River, Kagawa Pref., from subtidal zone).-- Nunomura, 1993c, p.26 (Takino-chaya, Tarui, Kobe City; mouth of Ayagawa River, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.213, fig. 21-198G (大阪湾).-- 稲葉, 1988, p.138 (大阪湾の神戸市垂水区滝野茶屋).

***Paranthura laticauda* Nunomura, 1975** オビロウミナナフシ

Nunomura, 1975, p.23, figs. 6-7 (Jogasaki, Wakayama City, Wakayama Pref., from among calcareous algae, intertidal zone).-- Nunomura, 1985c, p.106 (Oogoshi, Kagawa Pref., from subtidal zone).-- Nunomura, 1993c, p.26 (Jogasaki, Wakayama City, from intertidal zone; Oogoshi, Sakaide City, Kagawa Pref., from subtidal zone).-- 布村 [検日海], 1995, p.213, fig. 21-198H (大阪湾).-- 稲葉, 1988, p.139 (大阪湾の和歌山市深山城ヶ崎, 備潜瀬戸の坂出市王越).

***Paranthura lineata* Nunomura, 1977** クロオビウミナナフシ

Nunomura, 1977, p.87, fig. 13 (Tomioka Bay, Kumamoto Pref., from sandy mud bottom, 30m deep).-- 布村 [検日海], 1995, p.213, fig. 21-198E (熊本県富岡の潮下帯砂泥底).

***Paranthura maculosa* Nunomura, 1974** マダラウミナナフシ

Nunomura, 1974a, p.3, figs. 2-3 (off mouth of Hiki River, 4m deep, Hikigawa Town, Kii Peninsula).-- 布村 [検日海], 1995, p.213, fig. 21-198C (和歌山県沿岸の潮下帯).

***Paranthura nigrocaudata* (Nunomura, 1975)** クロオウミナナフシ

Leptanthura nigrocaudata Nunomura, 1975, p.17, figs. 1-2 (Jogasaki, Kada, Wakayama City, Wakayama Pref.,

from intertidal zone rocky shore, among coralline alga, *Corallina pilulifera* Postel & Ruprecht).-- Nunomura, 1977, p.89 (mouth of Tomioka Bay, Kumamoto Pref., from sand bottom, 30m deep).-- 稲葉, 1988, p.138 (大阪湾の和歌山市深山城ヶ崎).

Paranthura nigrocaudata, Nunomura, 1993c, p.26 (Tagurazaki, Wakayama City, Wakayama Pref.).-- 布村 [検日海], 1995, p.212, fig. 21-198A (大阪湾, 和歌山県).

***Paranthura ocellata* Nunomura, 1992** ハナレメウミナナフシ

Nunomura, 1992e, p.47, fig. 1 (off Hori, Kuroshima, Yaeyama Is., Okinawa Pref.).

***Paranthura* sp. (aff. *kagawaensis* Nunomura, 1993)**

Nunomura, 1999b, p.12, fig. 3 (Tsubota, Chotaro-ike, Miyake I., Izu Is.).

***Paranthura* sp. Nunomura, 1985**

Nunomura, 1985c, p.107, fig. 6 (west of Noumisaki, Kagawa Pref., from subtidal zone).

Suorder Gnathiidea : ウミクワガタ(グナチア)亜目

Family Gnathiidae : ウミクワガタ (グナチア)科

***Gnathia amakusaensis* Nunomura, 1992** アマクサウミクワガタ

Nunomura, 1992f, p.63, fig. 3 (off Use, Reihoku-cho, Amakusa, Kumamoto Pref., from bottom 30-35m deep).

***Gnathia bungoensis* Nunomura, 1982** ブンゴウミクワガタ

Nunomura, 1982a, p.17, figs. 1-2 (estuary of Bansho River, off Saeki City, Saeki Bay, Oita Pref., eastern Kyushu, among the muddy colonies of green algae, *Ulva pertusa* Kjellman, 2m deep, 15m off shore, near sandy bottom of estuary).-- 布村 [検日海], 1995, p.208, fig. 21-196C (大分県の番匠川河口).

***Gnathia consobrina* Monod, 1926**

Monod, 1926, p.446, figs. 149-150 (Nagasaki).-- 布村 [検日海], 1995, p.207.

***Gnathia cornigera* Nunomura, 1992** シカツノウミクワガタ

Nunomura, 1992f, p.59, fig. 1 (Tsuji-shima I., Itsuwa-cho, Kumamoto Pref., Host: the colonies of spongi, *Halicloma permollis*, intertidal zone).-- 布村 [検日海], 1995, p.208, fig. 21-196D (天草通詞島の潮間帯).

***Gnathia discolor* Nunomura, 1988** ソメワケウミクワガタ

Nunomura, 1988e, p.27, figs. 1-2 (off Isohara, Kita-ibaragi City, Ibaragi Pref.).-- 布村 [検日海], 1995, p.208, fig. 21-196A (茨城県の海岸).

***Gnathia derzhavini* Gurjanova, 1933**

*Gurjanova, 1933, p.81, fig. 3.-- Gurjanova, 1936b, p.232, fig. 148 (the Sea of Japan, 110m deep).

***Gnathia elongata* (Kroyer, 1847)**

Anceus elongata *Kroyer, 1847, p.388, pl. 30, figs. 3a-3g.-- *Kroyer, 1946-49, p.388.-- *Hansen, 1887, p.205.-- *Hansen, 1887-88, p.182.

Gnathia elongata, *Sars, 1899, p.55, pl. 23, fig. 1.-- *Richardson, 1900, p.214.-- *Richardson, 1901, p.507.-- *Richardson, 1901, p.20.-- Richardson, 1905, p.58, fig. 42.-- Gurjanova, 1936b, p.233, fig. 149 (the Sea of Japan, 76-2900m deep).

***Gnathia hirayamai* Nunomura, 1992** ヒラヤマウミクワガタ

Nunomura, 1992f, p.65, fig. 4 (off Tomioka, Amakusa, Kumamoto Pref., from sandy bottom, 8.5m deep on sandy bottom).-- 布村 [検日海], 1995, p.209, fig. 21-196F (天草沖水深8.5mの砂底).

***Gnathia kikuchii* Nunomura, 1992** フトクワウミクワガタ

Nunomura, 1992f, p.61, fig. 2 (Shiraiwazaki, Reihoku-cho, Amakusa, Kumamoto Pref.).-- 布村 [検日海], 1995, p.208, fig. 21-196E (天草の白岩崎).

***Gnathia nasuta* Nunomura, 1992** ハナダカウミクワガタ

Nunomura, 1992f, p.69, fig. 6 (off Tomioka, Amakusa, Kumamoto Pref., 8.5m deep).-- 布村 [検日海], 1995, p. 209, fig. 21-196G (天草沖水深8.5mの砂底).

***Gnathia nipponensis* Monod, 1926**

Monod, 1926, p.378, figs. 149-150 (lat. 34° 20' N, long. 130° 10' E, 110m).-- 布村 [検日海], 1995, p.207 (玄海灘).

***Gnathia rectifrons* Gurjanova, 1933**

*Gurjanova, 1933, p.79, fig. 1.-- Gurjanova, 1936b, p.230, fig. 146 (the Sea of Japan, 80-88m deep).

***Gnathia saikaiensis* Nunomura, 1992 サイカイウミクワガタ**

Nunomura, 1992f, p.67, fig. 5 (off Tomoezaki).

***Gnathia sanrikuensis* Nunomura, 1998 サンリクウミクワガタ**

Nunomura, 1998b, p.55, figs. 1-3 (42 m deep, Otuchi Bay, off Otsuchi, Iwate Pref.).

***Gnathia schmidtii* Gurjanova, 1933**

*Gurjanova, 1933, p.79, fig. 2.-- Gurjanova, 1936b, p.231, fig. 147 (the Sea of Japan, 43° 56' N, 135° 56' E, 308-1002m deep).

***Gnathia sugashimaensis* Nunomura, 1981 イセウミクワガタ**

Nunomura, 1981d, p.19, figs. 1-2 (intertidal zoon, Senjojiki, Sugashima I., Toba City, Mie Pref., surface of an ascidian, *Phyrua sacciformis* (Von Drasche)).-- Müller, 1989, p.25, figs. 1-4 (south coast of Hitsuishi-jima I., Bisan Seto, the Inland Sea of Japan, 1-50m deep).-- 布村 [検日海], 1995, p.208, fig. 21-196B (三重県菅島および瀬戸内海).

***Gnathia tuberculata* Richardson, 1909**

Richardson, 1909, p.75, figs. 1-3 (Nanao, Hondo, Japan to Isuruga, Hondo, at Sudzu Misaki Light, (lat.37° 22' 30'' N, long. 137° 47' E)).-- Gurjanova, 1936b, p.229, fig. 145 (the Sea of Japan, 37° 22' N, 137° 47' E, 1124 m deep).

***Gnathia (Elaphognathia) lucanoides* Monod, 1926**

Monod, 1926, p.566, figs. 256-257 (Misaki, 5.5m).-- Müller, 1989, p.26, fig. 1 (holotype).-- 布村 [検日海], 1995, p.207.

***Gnathia (Elaphognathia) monodi* Gurjanova, 1936**

Gurjanova, 1936a, p.256, fig. 5 (the Sea of Japan, 42° 49' N, 133° 48' E, 0-2m deep).-- Gurjanova, 1936b, p.236, fig. 150 (the Sea of Japan, 42° 49' N, 138° 48' E, 0-2m deep).

***Gnathia* sp. グナチアの一 種**

西村 [学水動], 1981, pp.97 & 234 (北海道).

***Gnathia* sp. ウミクワガタの一 種**

布村, 1987, p.2 (大植湾).

***Gnathia* sp.**

Tanaka & Aoki, 1998, p.259 (intertidal rocky shore of Nabeta Bay, Shimoda City, Sizuoka Pref., Izu Peninsula, host: *Halichondria okadai*).

***Gnathia* sp. larva**

Nishimura, 1968a, p.7, fig. 1 (6km west of Cape Seto-zaki, southwest of the mouth of Tanabe Bay, 100m deep sandy bottom).

Juvenile Gnathiid

Honma, et al., 1991, p.37, figs. 1-15 (off the Sado Marine Biological Station, Niigata Univ., Sado I., Niigata Pref., Host: *Dasyatis akajei* by set net, from branchial walls).-- Honma & Chiba, 1991, p.9 (off the Sado Marine Biological Station, Niigata Univ., Sado I., Niigata Pref., Host: *Dasyatis akajei*, *Dasyatis matsubarae* by set net, from branchial walls)

Suborder Asellota : ミズムシ亜目

Family Asellidae : ミズムシ科

***Asellus (Asellus) amamiensis* Matsumoto, 1961**

Matsumoto, 1961a, p.211, figs. 7-21.-- (Amami-Oshima, Amami Group, Ryukyu Is.)-- Matsumoto, 1963, p.42, figs. 50-64 (driven wells in Naze City, Amami-Oshima)-- 松本 [日淡生], 1973, p.482, figs. 20-73(5), 20-74(4) (奄美群島産. 真地下水性種)-- 布村, 1993, p.87.

***Asellus (Asellus) ezoensis* Matsumoto, 1962**

Asellus ezoensis Matsumoto, 1962a, p.257, figs. 1-14 (Sapporo & Obihiro, Hokkaido Pref.)-- Matsumoto, 1963, p.55, figs. 99-112 (a driven well in Sapporo City; a well in Obihiro City)-- 松本 [日淡生], 1973, p.482, figs. 20-73(9), 20-74(5) (北海道産. 真地下水性種)-- 布村, 1993, p.87.

Caecidotea akiyoshiensis (part ?) *Ueno, 1933, p. 485.-- *Ueno, 1936, p.117.-- 岩佐 [旧日動], 1957, p.806, fig. 2321 (山口県秋芳洞より発見せられたる他, 東京及び札幌に於いても井戸水の中より).

***Asellus (Asellus) hilgendorffii* Bovallius, 1886** ミズムシ

Asellus hilgendorffii *Bovallius, 1886, p.13.-- *Hirgendolf, 1891, p.1.-- Thielemann, 1910, p.70 (Tokio)-- *Birstein, 1951.-- 岩佐 [旧日動], 1957, p.806, fig. 2319 (本邦各地の淡水に極めて普通にして満州にも分布)-- 椎野 [原動大], 1961, p.125, pl.62, no.4 (我国各地の淡水池沼の水草の間などに普通)-- 椎野 [新日動], 1965, p.550, no.750 (陸水産, 湖沼, 池溝に普通. シナ・満州・樺太・シベリアにも分布)-- Matsumoto, 1963, p.27, figs. 13-22 (a brock in Sapporo; a spring well in Yamagata City; an open dug well at Motegi machi, Tochigi Pref.; a spring in Maebashi City; a spring in Gosen City; wells in Wajima City; an open dug well at Otoyo mura, Kochi Pref.; an underground pool in "Ryugado" Cave, Kochi Pref.; an underground pool in "Furen-do" Cave, Oita Pref.; an open dug well in Kumamoto City; River Kuma, Hitoyoshi City; a spring at Kushira machi, Kagoshima Pref.)-- Matsumoto, 1970, p.236 (driven well at Tsutsu, Izuhara-cho; a dug well at Takahama, Kechi, Mitsushima-cho, both Shimogata-gun, Shimo-shima, Tsushima I.)-- 松本 [日淡生], 1973, p.482, figs. 20-73(4), 20-74(1) (日本では北海道から九州. 支那, 満州, 朝鮮, 極東ソビエト, 樺太. 地表水性で湖沼, 池溝, 河口, 湧泉に普通, まれに地下水)-- 五十嵐, 1967, 1968, 1969, 1970 (庄内地方酒田市元泉の水田帯)-- Nunomura, 1981a, p.44 (Iwayaguchi beach, northern part of Aikawa-machi, Sado I., Niigata Pref.)-- 武田 [原甲検], 1982, p.237, no.709 (シベリア, 日本, 中国. 湖沼, 池, 溝などの水草の間)-- 布村, 1993, p.87.

Asellus aquaticus *Tattersall, 1921.-- *Derzhavin, 1929.-- *Shen, 1936, *Okada, 1936, p.496.

Asellus nipponensis *Nichols, 1929, p.33, figs. 1-5.-- *Ueno, 1938, p.99, figs. 1-6.-- *Ueno, 1940.-- *Muller, 1933, p.102.-- 岩佐 [旧日動], 1956, p.806, fig. 2319 (本州各地の淡水に極めて普通)-- *Chappus, 1955, p.181.-- Matsumoto, 1960b, p.3 (a dug well with a pump and cover at Toyonaga, Nagaoka-gun; a pool in the "Ryugado" Cave, Kochi Pref., Shikoku)-- Matsumoto, 1960c, p.29 (a well at Kawajiri, Yahata-cho, Kumamoto City, Kumamoto Pref.; a well in Satsuma-Okuchi City; a well at Onobuchi, Togo-machi, Satsuma-gun, Kagoshima Pref.; 2 pools in the "Furen-do" cave, Tomari, Nozu-machi, Ono-gun; a well at Shimo-Hana, Dainan-machi, Oitagun; a well at Moto-machi, Hita City, Oita Pref.; a well at Haeki-machi, Saseho City, Nagasaki, Pref., all Kyushu)-- Matsumoto, 1961b, p.46 (a dug well at Furumaki-machi, Kamikita-gun, Aomori Pref.; a dug well at Yamagata-machi, Yamagata City, Yamagata Pref.; a driven well at Seimei-cho, Fukushima City; a dug well at Sukagawa City, Fukushima Pref.; a dug well at Suzukoya, Ibaragi-gun; Isohara-machi, Kita-Ibaragi City, Ibaragi Pref.; a dug well at Showa-machi, Tochigi City; 2 dug well at Motegi-machi, Haga-gun, Tochigi Pref.; a dug wells at Kaji-machi, Gunma-gun, Gunma Pref.; a dug well at Fukuro-machi, Kita-ku; a closed dug well at Tamagawa-Okusawa-machi, Setagaya-ku; a dug well at Tamagawa-Gakuen, Machida-machi, Minami-Tama-gun; a driven well at Myojin-cho, Hachioji City; a dug well in Fuchu City; a driven well at Asakawa-machi, Hachioji City, Tokyo Pref.; a driven well at Shimo-Kozuhama, Kamo-gun, Shizuoka Pref.; a driven well at Nagamori, Sanyo-cho, Gifu City, Gifu Pref.; a dug well in Wajima City, Ishikawa Pref.).

***Asellus (Asellus) hilgendorffii ryukuensis* Ueno, 1938**

Asellus nipponensis ryukyuensis Uéno, 1938, p.264, figs. 1-10 (Syuri; Sikinaen; Katenamuruti, Okinawa I.; Yayusima, Yaku I.; Miyanoura, all Okinawa Is.).-- Matsumoto, 1961a, p.209, figs. 1-6 (Tokuno-shima & Okinoerabu, Amami Group, Ryukyu Is.).

Asellus (Asellus) hilgendorfii ryukyuensis, Matsumoto, 1963, p.31, figs. 23-27 (a dug well on the Island of Tokunoshia; a dug well on the Island of Okinoerabu; caves on the Island of Okinoerabu).-- 松本 [日淡生], 1973, p.482, fig. 20-74(1r) (琉球列島産. 地表水および地下水).-- 布村, 1993, p.87.

***Asellus (Asellus) hyugaensis* Matsumoto, 1960**

Matsumoto, 1960c, p.39, figs. 23-32 (wells in Saito City, Miyazaki Pref., Kyushu).-- Matsumoto, 1963, p.49, figs. 77-88 (dug wells & driven wells in Saito City, Miyazaki Pref.).-- 松本 [日淡生], 1973, p.483, figs. 20-73 (11), 20-74(7) (宮崎県産. 真地下水性種).-- 布村, 1993, p.87.

***Asellus (Asellus) kumaensis* Matsumoto, 1960**

Matsumoto, 1960c, p.35, figs. 12-22 (a driven well at Shimo-Aoi-machi, Hitoyoshi City, Kumamoto Pref., Kyushu).-- Matsumoto, 1963, p.38, figs. 38-49 (a driven well at Shimo-Aoi machi, Hitoyoshi City, Kumamoto Pref.).-- 松本 [日淡生], 1973, p.482, figs. 20-73(10), 20-74(3) (熊本県人吉市近辺産. 真地下水性種).-- 布村, 1993, p.87.

***Asellus (Asellus) musashiensis* Matsumoto, 1961** メクラミズムシ

Asellus musashiensis Matsumoto, 1961b, p.52, figs. 1-10 (a dug well at Nakano-ku, Tokyo City, Tokyo Pref.).-- Matsumoto, 1963, p.35, figs. 28-37 (wells in the eastern area of the Metropolis of Tokyo).-- 松本 [日淡生], 1973, p.482, figs. 20-73(7), 20-74(2) (東京近辺産. 真地下水性種).

Caecidotea akiyoshiensis (part ?) *Uéno, 1933, p.485.-- *Uéno, 1936, p.117.-- 岩佐 [旧日動], 1957, p.806, fig. 2321 (山口県秋芳洞より発見せられたる他, 東京及び札幌に於いても井戸水の中より).

***Asellus (Asellus) shikokuensis* Matsumoto, 1960**

Matsumoto, 1960b, p.9, figs. 15-26 (a driven well at Higashi-Takusen-cho, Matsuyama City, Ehime Pref., Shikoku).-- Matsumoto, 1963, p.45, figs. 65-76 (a driven well in Matsuyama City, Ehime Pref.; driven wells in Kotohira machi, Kagawa Pref.).-- 松本 [日淡生], 1973, p.483, figs. 20-73(6), 20-74(8) (愛媛県・香川県. 真地下水性種).-- 布村, 1993, p.87.

***Asellus (Asellus) tamaensis* Matsumoto, 1961**

Matsumoto, 1961b, p.56, figs. 11-20 (3 driven wells at Myojin-cho, Hachioji City, Tokyo Pref.).-- Matsumoto, 1963, p.52, figs. 89-98 (driven wells at Myojin cho, Hachioji City, the Metropolis of Tokyo).-- 松本 [日淡生], 1973, p.482, figs. 20-73(8), 20-74(6) (東京都西部の八王子市付近産. 真地下水性種).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) akiyoshiensis* (Uéno, 1927)**

Caccidotea akiyoshiensis Uéno, 1927, p.356, figs. 1-2 (Taki-ana limestone cave at Akiyoshi, Yamaguchi Pref.).-- *Uéno, 1933, p.91.-- *Uéno, 1933, p.485.-- *Uéno, 1933, p.115.-- *Uéno, 1936, p.789.-- *Seishi, 1937, p.1.-- 岩佐 [旧日動], 1957, p.806, fig. 2321 (山口県秋芳洞より発見せられたる他, 東京及び札幌に於いても井戸水の中より).

Asellus akiyoshiensis, *Miller, 1933, p.102.-- *Birstein, 1951, p.73.-- *Chappuis, 1955, p.165.-- *Uéno, 1957, pp.278 & 284.-- Matsumoto, 1960a, p.604, figs. 1-9 (subterranean stream in Akiyoshi-do Cave; some wells in Mito-cho & Kama, Akiyoshi limestone area, Yamaguchi Pref.).-- Matsumoto, 1960c, p.30 (a well at Shimo-Aoi-machi, Hitoyoshi City, Kumamoto Pref.; a well at Tenjin-cho & a well at Hirae-machi, Miyakonojo City, Miyazaki Pref., all Kyushu).-- Matsumoto, 1961b, p.47 (a subterranean stream & a pool in the "Akiyoshi-do" cave, Akiyoshi-machi, Miya-gun, Yamaguchi Pref.; a driven well at Yoshida-machi, Takata-gun, Hiroshima Pref.).
Asellus (Phreatoasellus) akiyoshiensis, Matsumoto, 1963, p.67, figs. 134-144 (an underground stream flowing through "Akiyoshi-do" Cave; a driven well at Yoshida machi, Hiroshima City; a driven well in Hitoyoshi City, Kumamoto Pref.; open dug wells in Miyakonojo City, Miyazaki Pref.).-- 松本 [日淡生], 1973, p.483, fig. 20-75(2) (山口県秋芳洞, 山口県, 広島県, 宮崎県の井戸. 地下水種).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) higoensis* Matsumoto, 1960**

Matsumoto, 1960c, p.31, figs. 2-11 (a dug well at Kawajiri, Yahata-cho, Kumamoto City, Kumamoto Pref.,

Kyushu).-- Matsumoto, 1963, p.63, figs. 123-134 (an open dug well at Kawajiri, Yahata cho, Kumamoto City).-- 松本 [日淡生], 1973, p.483, fig. 20-75(4) (熊本県. 井戸の中. 地下水種).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) iriei* Matsumoto, 1978**

Matsumoto, 1978, p.24, figs. 9-16 (Nozoe-no-ana Cave, Tano machi, Miyazaki gun, Miyazaki Pref.).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) kawamurai* (Tattersall, 1921) ナガミズムシ**

Caecidotea Kawamurai *Tattersall, 1921, p.417, pl. 15, figs. 11-18 (a well at Zeze, Otsu City, Shiga Pref.).-- *Komai, 1922, p.76.-- *Spandl, 1926, p.69.-- Ueno, 1927, p.360, fig. 3 (Wells in the Otsu City, Shiga Pref.; Tomioka, Tokushima Pref., Shikoku; a well in the Kyoto City).-- *Ueno, 1933, p.484.-- *Miller, 1933, p.101.-- 岩佐 [旧日動], 1957, p.806, fig. 2320 (近畿・四国及び九州諸地の井戸水の中より発見).

Asellus kawamurai, *Birstein, 1951, p.72.-- *Ueno, 1957, p.278.-- Matsumoto, 1960b, p.3 (a dug well without a cover at Nishi-Nakamachi, Tomioka-machi, Anan City, Tokushima Pref., Shikoku).-- Matsumoto, 1960c, p.26 (a well at Uehara, Oaza-Ijiri, Fukuoka City, Fukuoka Pref.; a well at Harutake-cho, Kumamoto City, Kumamoto Pref., both Kyushu).-- Matsumoto, 1961b, p.46 (an open well in Kyoto City; a dug well with a pump at Yuasa-machi, Arita-gun, Wakayama Pref.; an open well at Shimokoshi-machi, Izumo City; an open well at Kami-Sadamachi, Matsue City; an open well at Higashi-Ikushima-cho, Matsue City, Shimane Pref.; a driven well at Kagotani, Tsui-mura, Iwami-gun, Tottori Pref.).

Asellus (Mesoasellus) kawamurai, 上野 [原動大], 1961, p.125, pl.62, no.5 (本州中部以西の地方の地下水に分布し, 井戸水中に多数発見されることがある).-- 椎野 [新日動], 1965, p.550, no.751 (近畿・四国・九州の各地の井戸中).

Asellus (Phreatoasellus) kawamurai, Matsumoto, 1962b, p.167, figs. 19, 21-27.-- Matsumoto, 1963, p.60, figs. 113-122 (an open dug well in Kyoto City; a dug well at Yuasa machi, Arita gun, Wakayama Pref.; a driven well at Kagotani, Tui mura, Iwami gun, Tottori Pref.).-- 松本 [日淡生], 1973, p.483, fig. 20-75(1) (近畿, 中国, 四国, 九州. 井戸.-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) minatoi* Matsumoto, 1978**

Matsumoto, 1978, p.27, figs. 17-25 (in a prospecting adit at Shimodaira, Ayukawa, Oto mura, Nishimuro gun, Wakayama Pref.).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) miurai* Chappuis, 1955**

*Chappuis, 1955, p.174, figs. 18-26.-- Matsumoto, 1961b, p.48 (a driven well at Yoshida-machi, Takata-gun, Hiroshima Pref.; wells in Aioi City; a driven at Taishi-machi, Ibo-gun; a driven well at Yashiro-Higashi-machi, Himeji City, Hyogo Pref.; a driven well at Tokaichi-machi, Miyoshi City, Hiroshima Pref.; a dug well at Tanijyugo, Sakurae-machi, Ouchi-gun, Shimane Pref.).-- Matsumoto, 1963, p.70, figs. 145-153 (wells in Aioi City, Hyogo Pref.; a driven well in Himeji City, Hyogo Pref.; a driven well at Yoshida machi; a driven well in Miyoshi City, Hiroshima Pref.; an open dug well at Sakurae, Shimane Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-75(3) (兵庫県, 広島県, 鳥根県などの井戸. 地下水種).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) uenoi* Matsumoto, 1978**

Matsumoto, 1978, p.21, figs. 1-8 (Kyusendo, Cave, Ohse, Kuma-mura, Kuma gun, Kumamoto Pref.).-- 布村, 1993, p.87.

***Asellus (Phreatoasellus) yoshinoensis* Matsumoto, 1960**

Asellus yoshinoensis Matsumoto, 1960b, p.13, figs. 27-32 (a driven well at Kawada-machi, Oe-gun, Tokushima Pref., Shikoku).

Asellus (Phreatoasellus) yoshinoensis, Matsumoto, 1963, p.73, figs. 154-159 (a driven well at Kawada, Yamakawa machi, Oe gun, Tokushima Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-75(5) (徳島県山川町の井戸. 地下水種).-- 布村, 1993, p.87.

***Mackinia coreana* Matsumoto, 1967 チョウセンメクラミズムシモドキ**

*Matsumoto, 1967, p.274, figs. 25-38 (south Korea).-- Matsumoto, 1970, p.234, figs. 4-8 (driven wells: Kechi, Mitsushima-cho; Tendoshige & Tsutsu, Izuhara-cho, Shimoagata-gun, Shimo-shima, all Tshusima I.).-- 松本

[日淡生], 1973, p.486 (韓国, 対馬, 熊本県八代の井戸).-- 布村, 1993, p.87.

***Mackinia japonica japonica* Matsumoto, 1956** メクラミズムシモドキ

Matsumoto, 1956, p.1220, pl. 1, figs. A-Q (Fresh water well in Tachikawa City, Tokyo Pref.).-- *Matsumoto, 1956, pp. 85 & 94-95.-- *Matsumoto, 1956, pp. 46, 49 & 50-55.-- Matsumoto, 1960a, p.603 (wells in Mito-cho & Kama, Akiyoshi limestone area, Yamaguchi Pref.).-- Matsumoto, 1960b, p.4 (a driven well with a pump at Yamakawa-machi, Oe-gun, Tokushima Pref.; a driven well with a pump at Higashi-Takusen-cho, Matsuyama City, Ehime Pref.; a driven well with a pump at Naka-Jinzenji, Kochi City, Kochi Pref.; four driven wells at Kotohira-machi, Kagawa Pref., Shikoku).-- Matsumoto, 1960c, p.30 (a well at Imizu-cho, Kumamoto City; a well at Hagiwara-Sakae-machi & a well at Tenjin-cho, Yatsushiro City; a well at Shimo-Aoi-machi, Hitoyoshi City, Kumamoto Pref., Kyusshu).-- Matsumoto, 1961b, p.50 (many wells at, Takamatsu-cho, Tachikawa City; Showa-machi, Akijima City; Sunagawa-machi; Kunitachi-machi; Tanashi-machi; Myojin-cho; Shin-machi; Motoyokoyama-cho; Sennin-cho; Asakawa-machi, Hachioji City; Shimo-Renjaku, Mitaka City; Komae-machi; Okura-machi; Shimouma-machi, Setagaya-ku; Shakuji, Naka-ku; Shoho-cho, Suginami-ku; Yamato-cho, Nakano-ku, Tokyo City, Tokyo Pref.; Yoshino-machi, Hirosaki City, Aomori Pref.; Onari-machi, Odate City, Akita Pref.; Morioka City & Kajiya-cho, Iwate Pref.; Yonezawa City, Yamagata Pref.; Shimo-machi & Yachida, Kitakata City, Seimei-cho, Fukushima City, Fukushima Pref.; Watari-machi & Higashihara-machi, Mito City, Ibaragi Pref.; Naka-machi, Otawara City, Tochigi Pref.; Muko-machi, Maebashi City, Gunma Pref.; Mukojima-machi, Nagaoka City; Sakae-machi, Arai City; Sekigawa-mura, Iwafune-gun, Niigata Pref.; Nozawa-machi, Nagano Pref.; Furukawa-machi; Kita-Isshiki, Gifu City, Gifu Pref.; Kikukawa-cho, Kanazawa City; Naga-machi, Ishikawa Pref.; Municipal Water Works, Himeji City; Yashiro-Higashi-machi; Chokuyo-cho; Taishi-machi; Yamanami-cho; Wadayama-machi; Ichijima-machi; Yoka-machi, Hyogo Pref.; Kokufu-machi, Iwami-gun, Tottori Pref.; Mito-machi, Miya-gun, Yamaguchi Pref.).-- Matsumoto, 1966, p.98, figs. 220-236. (driven wells at Komae machi; dug wells in Tachikawa City; dug well in Mitaka City; dug well at Okura machi, Setagaya ku, Tokyo Pref.; driven well in Odate City, Aomori Pref.; dug well in Morioka City, Iwate Pref.; wells in Maebashi City, Gunma Pref.; driven well at Furukawa machi, Gifu Pref.; driven well in Kanazawa City, Ishikawa Pref.; driven well in Himeji City; driven well at Taishi machi, Hyogo Pref.; driven well at Mito machi, Miya gun, Yamaguchi Pref.; driven well in Matsuyama City, Ehime Pref.; driven well at Kotohira machi, Kagawa Pref.; driven well in Yatsushiro City, Kumamoto Pref.).-- 松本 [日淡生], 1973, p. 486, fig. 20-77(2) (東京の井戸, 地下水種).-- Ueno, 1957, p.291.-- 布村, 1993, p.87.

***Mackinia troglodytes* Matsumoto, 1967** ホラアナメクラミズムシモドキ

Mackinia continentalis Birstein & Ljovuschkin, 松本 [日淡生], 1973, p.486 (沿海州ナホトカ付近のSuchan川右岸の洞窟, 韓国の洞窟および対馬の井戸).

Mackinia troglodytes *Matsumoto, 1967, p.265, figs. 2-24 (south Korea).-- Matsumoto, 1970, p.234, figs. 1-3, 9-11 (driven wells: Hitakatsu; Sasuna; Miyama, Sago; Nita, Kamitsushima-cho, Kamiagata-gun, Kami-shima; Kechi, Mitsushima-cho; Hiyoshi; Tsutsu, Izuhara-cho, Shimoagata-gun, Shimo-shima, all Tsushima I.).-- 布村, 1993, p.87.

***Mackinia* sp. Matsumoto, 1970**

Matsumoto, 1970, p.233 (driven well at Tendoshige, Izuhara-cho, Shimoagata-gun, Shimoshima, Tshusima I.).

***Nipponasellus aioii* (Chappuis, 1955)**

Asellus aioii *Chappuis, 1955, p.178, figs. 27-35 (wells in Aioi City, Hyogo Pref.).-- Matsumoto, 1960b, p.4 (a driven well with a pump at Naka-Jinzenji, Kochi City, Kochi Pref., Shikoku).-- Matsumoto, 1961b, p.49 (wells in Aioi City, Tatsuno City; a driven well at Chokuyo-cho & a driven well at Yashiro-Higashi-machi, Himeji City; a driven well at Taishi-machi, Ibo-gun, Hyogo Pref.).

Nipponasellus aioii, Matsumoto, 1962b, p.163, figs. 1-10.-- Matsumoto, 1966, p.78, figs. 160-171 (wells in Aioi City, Hyogo Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-76(3) (兵庫県の姫路市, 竜野市などの井戸, 地下水種).-- 布村, 1993, p.87.

***Nipponasellus hubrichti* (Matsumoto, 1956)**

Asellus hubrichti Matsumoto, 1956, p.1222, pl. 2, figs. A-P (fresh water well in Hachioji City, Tokyo Pref.).--

*Matsumoto, 1956, pp.92, 93, 104-108.-- Matsumoto, 1961b, p.49 (many wells at Myojin-cho; Shin-machi; Sennin-cho; Asakawa-machi, Hachioji City; Hino-machi; Fuchu City; Kunitachi-machi; Komae-machi; Okura-machi, Setagaya-ku; Shimo-Akatsuka-machi, Itabashi-ku; Hyakuji, Nerima-ku, Tokyo City, Tokyo Pref.; Noda, Naka-gun, Ibaragi Pref.; Muko-machi & Iwagami-cho, Maebashi City, Gunma Pref.; Naka-machi, Otawara City, Tochigi Pref.; Yachida; Nurimono-cho; Shimo-machi, Kitakata City, Fukushima Pref.).

Nipponasellus hubrichti, Matsumoto, 1966, p.87, figs. 189-197 (driven wells in Hachioji City, Tokyo Pref.; driven wells in Maebashi City, Gunma Pref.; driven wells at Noda, Naka gun, Ibaragi Pref.; dug well in Otawara City, Tochigi Pref.; driven wells in Kitakata City, Fukushima Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-76 (5) (東京都, 群馬県, 栃木県, 茨城県, 福島県).-- 布村, 1993, p.87.

***Nipponasellus kagaensis* (Matsumoto, 1958)**

Asellus kagaensis Matsumoto, 1958, p.19, figs. 1-20 (freshwater wells in Kanazawa City, Ishikawa Pref., formerly called the Province of Kaga).-- Matsumoto, 1961b, p.49 (a driven well at Naga-machi & a dug well with a pump at Kikukawa-cho, Kanazawa City, Ishikawa Pref.; 3 driven well at Furukawa-machi, Yoshiki-gun; a dug well at Miya-mura, Ono-gun, Gifu Pref.).

Nipponasellus kagaensis, Matsumoto, 1966, p.81, figs. 172-179 (wells in Kanazawa City, Ishikawa Pref.; driven wells at Furukawa machi, Gifu Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-76(1) (金沢市および岐阜県古川町の井戸. 地下水種).-- 布村, 1993, p.87.

***Nipponasellus takefuensis* (Matsumoto, 1961)**

Asellus takefuensis Matsumoto, 1961b, p.59, figs. 21-30 (a drifen well at Myohoji-machi, Takefu City, Fukui Pref.).

Nipponasellus takefuensis, Matsumoto, 1966, p.91, figs. 198-207 (driven well in Takefu City, Fukui Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-76(4) (福井県武生市の井戸. 地下水種).-- 布村, 1993, p.87.

***Nipponasellus tonensis* (Matsumoto, 1961)**

Asellus tonensis Matsumoto, 1961b, p.63, figs. 31-38 (a closed dug well at Iwagami-cho, Maebashi City, Gunma Pref.).

Nipponasellus tonensis, Matsumoto, 1966, p.84, figs. 180-188 (a closed dug well in Maebashi City, Gunma Pref.). -- 松本 [日淡生], 1973, p.484, fig. 20-76(2) (前橋市の井戸. 地下水種).-- 布村, 1993, p.87.

***Uenasellus iyoensis* (Matsumoto, 1960)**

Asellus iyoensis Matsumoto, 1960b, p.5, figs. 2-14 (a driven well at Higashi-Takusen-cho, Matsuyama City, Ehime Pref., Shikoku).

Uenasellus iyoensis, Matsumoto, 1962b, p.165, figs. 11-18.-- Matsumoto, 1966, p.94, figs. 208-219 (driven well in Matsuyama City, Ehime Pref.).-- 松本 [日淡生], 1973, p.484, fig. 20-77(1) (愛媛県松山市の井戸. 地下水種).-- 布村, 1993, p.87.

Family Desmosomatidae : デスモソーマ科

***Desmosoma coxale* Birstein, 1963**

Kussakin, 1965, p.137.

***Desmosoma gracilipes* Hansen, 1916**

Kussakin, 1965, p.137.

***Desmosoma lobipes* Kussakin, 1965**

Kussakin, 1965, p.128, fig. 8 (Okhotsk Sea, 220m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 220m deep).

***Desmosoma ochotense* Kussakin, 1965**

Kussakin, 1965, p.126, figs. 6 & 7 (Okhotsk Sea, 220m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 220m deep).

***Desmosoma simile* Hansen, 1916**

Kussakin, 1965, p.137.

***Desmosomella insignis* (Hansen, 1916)**

Kussakin, 1965, p.138.

***Eugerdella elegans* Kussakin, 1965**

Kussakin, 1965, p.123, figs. 4 & 5 (Okhotsk Sea, 105m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 105m deep).

***Eugerdella fragilis* Kussakin, 1965**

Kussakin, 1979b, p.122 (Okhotsk Sea, 32-327m deep).

***Eugerdella kamtschatica* Kussakin, 1965**

Kussakin, 1965, p.121, figs. 2 & 3 (Okhotsk Sea, 87m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 68-220m deep).

***Eugerdella polita* (Hansen, 1916)**

Kussakin, 1965, p.138

***Paradesmosoma conforme* Kussakin, 1965**

Kussakin, 1965, p.132, figs. 9 & 10 (Okhotsk Sea, 105m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 105-237 m deep).

***Paradesmosoma orientale* Kussakin, 1965**

Kussakin, 1965, p.134, figs. 11 & 12 (the Sea of Japan; Okhotsk Sea, 95m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 95-111m deep).

***Pseudogerdella fragilis* Kussakin, 1965**

Kussakin, 1965, p.119, fig. 1 (Okhotsk Sea, 117m deep).

***Pseudogerdella latipes* (Hansen, 1916)**

Kussakin, 1965, p.138.

Family Eurycopidae : ユーリコープ科

***Eurycope fragilis* F. E. Beddard, 1866**

*F. E. Beddard, 1866, p.63.-- Thielemann, 1910, p.75 (Jokohama).

***Eurycope ochotensis* Kussakin, 1979**

Kussakin, 1979b, p.114 & 122, figs. 7-9 (Okhotsk Sea, 85-220m deep).

***Eurycope pavlenkoi* Gurjanova, 1933**

*Gurjanova, 1933, p.85, figs. 11b, 12m.-- Gurjanova, 1936b, p.63, fig. 27 (the Sea of Jaan, 60m deep).

***Eurycope spinifrons* Gurjanova, 1933**

*Gurjanova, 1933, p.85, figs. 11a, 12a-c.-- Gurjanova, 1936b, p.62, fig. 26 (the Sea of Jaan, 730-3000m deep).

***Munnopsurus giganteus* (G. O. Sars, 1877)**

Eurycope giganteus *G. O. Sars, 1877, p.353.-- *G. O. Sars, 1885, p.130, pl. 11, figs. 1-25.-- Gurjanova, 1936b, p.58, fig. 22 (Okhotsk Sea, 49° 13'N, 146° 06'E, 645m deep).

Munnopsurus aretica, *Richardson, 1912, p.227.

***Munnopsurus giganteus* var. *ochotensis* Gurjanova, 1933**

*Gurjanova, 1933, p.84, fig.9.-- Gurjanova, 1936b, p.59, fig. 23 (Okhotsk Sea, 56° 45'N, 145° 50'E, 218m deep).

***Munnopsurus laevis* (Richardson, 1909)**

Eurycope laevis Richardson, 1909, p.120, figs. 45-46 (southwest of Koshika I., Eastern Sea, at Tsurikake saki light (lat. 31° 39'30"N, long. 129° 24'E), 406 fathoms deep, in gray globigerina ooze; off Otchishi saki, eastern end of Hokkaido, Pacific Ocean, at Urakawa light (lat. 42° 02'40"N, long. 142° 33'20"E), 349 fathoms deep).

Munnopsurus laevis, Gurjanova, 1936b, p.60, fig. 24 (the Sea of Jaan, 31° 39'N, 129° 24'E, 800m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 175-2300m deep).

***Munnopsurus minutus* Gurjanova, 1933**

Kussakin, 1979b, p.122 (Okhotsk Sea, 158-440m deep).

Family Haplomunnidae : ハプロムンナ科

***Aryballuops japonica* Gamô, 1983**

Gamô, 1983, p.13, figs. 8 & 9 (east of Japan Trench, St. 12(KH-81-4), 38° 33.3'N, 144° 19.4'E-38° 35.4'N, 144° 20.3'E, 6380-6450m).-- 蒲生, 1989, p.360, figs. 4A-4C (金華山沖日本海溝, 水深6348~6416m).

Family Haploniscidae : ハプロニスクス科

***Abyssoniscus ovalis* Birstein, 1971**

Birstein, 1971, p.196, fig. 14 (Kurile-Kamchatka Trench, 5005-5045m deep).-- Kussakin, 1988, p.405, fig. 340.

***Haploniscus belyaevi* Birstein, 1963**

*Birstein, 1963, p.41, figs. 17-18.-- Birstein, 1971, p.180 (Kurile-Kamchatka Trench, 2415-6225m deep).-- Kussakin, 1988, p.384, figs. 325-326 (Japan).-- 蒲生, 1989, p.360, fig. 5D (千島・カムチャッカ及び日本海溝, 2415~6225m).

***Haploniscus gibbernasutus* Birstein, 1971**

Birstein, 1971, p.183, fig. 8 (Kurile-Kamchatka Trench, 5005-6710m deep).-- Kussakin, 1988, p.387, fig. 327.

***Haploniscus hydroniscoides* Birstein, 1963**

*Birstein, 1963, p.46, figs. 20-21.-- Birstein, 1971, p.187 (Kurile-Kamchatka Trench, 5005-8120m deep).-- Kussakin, 1988, p.394, figs. 331-332 (Japan).

***Haploniscus inermis* Birstein, 1971**

Birstein, 1971, p.188, fig. 10 (Kurile-Kamchatka Trench, 5005-8345m deep).-- Kussakin, 1988, p.392, fig. 330.

***Haploniscus intermedius* Birstein, 1971**

Birstein, 1971, p.185, fig. 9 (Kurile-Kamchatka Trench, 5005-6135m deep).-- Kussakin, 1988, p.370, fig. 316.

***Haploniscus latus* Birstein, 1971**

Birstein, 1971, p.190, figs. 11 & 12 (Kurile-Kamchatka Trench, 5005-8345m deep).-- Kussakin, 1988, p.397, figs. 335-337.-- 蒲生, 1989, p.360, fig. 5B (千島・カムチャッカ海溝, 水深5005~8345m).

***Haploniscus menziesi* Birstein, 1963**

*Birstein, 1963, p.45, fig. 19.-- Birstein, 1971, p.183 (Kurile-Kamchatka Trench, 5035-6135m deep).-- Kussakin, 1988, p.384, fig. 324 (Japan).

***Haploniscus microcephalus* Gamô, 1989**

Haploniscus sp. (B), 蒲生, 1989, p.360, fig. 5A (東シナ海沖繩トラフ, 水深2060~2065m).

Haploniscus microcephalus Gamô, 1989, p.103, figs. 12-13 (Okinawa Trough, west off Okinawa I., the East China Sea, (26° 05.7'N, 125° 34.6'E - 26° 04.4'N, 125° 34.1'E, 2,060-2,065m deep)).

***Haploniscus profundicola* Birstein, 1971**

Haploniscus profundicola Birstein, 1971, p.181, fig. 7 (Kurile-Kamchatka Trench, 6090-7710m deep).

Haploniscus profundicolus, Kussakin, 1988, p.373, fig. 318.

***Haploniscus* sp.**

Haploniscus sp. (A), 蒲生, 1989, p.360, fig. 5C (沖繩トラフ, 水深2060~2065m).

Haploniscus sp., Gamô, 1989, p.101, fig. 11 (Okinawa Trough, west off Okinawa I., the East China Sea, (26° 05.7'N, 125° 34.6'E - 26° 04.4'N, 125° 34.1'E, 2,060-2,065m deep)).

***Hydroniscus minutus* Birstein, 1971**

Birstein, 1971, p.193, fig. 13 (Kurile-Kamchatka Trench, 5005-5045m deep).-- Kussakin, 1988, p.410, fig. 343.

***Hydroniscus vitjazi* Birstein, 1963**

*Birstein, 1963, p.48, fig. 22, pl. 1-5.-- Birstein, 1971, p.193 (Kurile-Kamchatka Trench, 6090-6135m deep).--

Kussakin, 1988, p.408, fig. 342 (Japan).

Family Ilyarachnidae : イリヤラクナ科

***Ilyarachna distincta* Birstein, 1971**

Birstein, 1971, p.229, fig. 30 (Kurile-Kamchatka Trench, 5005-5045m deep).

***Ilyarachna glabra* Birstein, 1971**

Birstein, 1971, p.227, fig. 29 (Kurile-Kamchatka Trench, 2915m deep).

***Ilyarachna kussakini* Birstein, 1963**

*Birstein, 1963, p.93.-- Birstein, 1971, p. 235 (Kurile-Kamchatka Trench, 6090-6135m deep).

***Ilyarachna perarmata* Birstein, 1971**

Birstein, 1971, p.235, fig. 28 (Kurile-Kamchatka Trench, 2770-2820m deep).

***Ilyarachna propinqua* Birstein, 1971**

Birstein, 1971, p.223, fig. 27 (Kurile-Kamchatka Trench, 2665-3015m deep).

***Ilyarachna scabra* Birstein, 1971**

Birstein, 1971, p.218, fig. 24 (Kurile-Kamchatka Trench, 2770-2820m deep).

***Ilyarachna setosa* Kussakin, 1979**

Ilyarachna setosa Kussakin, 1979b, p.110 & 122, figs. 4-6 (Okhotsk Sea, 591m deep).

***Ilyarachna starokadomskii* Gurjanova, 1933**

*Gurjanova, 1933, p.84, fig. 8.-- Gurjanova, 1936b, p.57, fig 21 (the Sea of Japan, 780-730m deep & Okhotsk Sea, lat. 51° 90'N, long. 154° 17'E, 591m deep; 52° 34'N, 154° 06'E, 100m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 100-780m deep).

***Ilyarachna tuberculata* Birstein, 1971**

Birstein, 1971, p.222, fig. 26 (Kurile-Kamchatka Trench, 2665-3015m deep).

***Ilyarachna venusta* Birstein, 1971**

Birstein, 1971, p.220, fig. 25 (Kurile-Kamchatka Trench, 2770-2820m deep).

***Ilyarachna zachsi* Gurjanova, 1933**

*Gurjanova, 1933, p.83, fig. 7.-- Gurjanova, 1936b, p. 56, fig 20 (the Sea of Japan, 121-780m deep).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 103-1100m deep).

Family Ischinomesidae : イスキノメスス科

***Haplomesus brevispinis* Birstein, 1960**

*Birstein, 1960, p.11, fig. 7.-- *Birstein, 1963, p.62, pl. 1, fig. 4.-- Birstein, 1971, p.210, fig. 20 (Kurile-Kamchatka Trench, 5005-6135m deep).-- *Wolff, 1962, p.86, 87, 265.-- Kussakin, 1988, p.459, figs. 377 (lat. 32° 11'N, long. 143° 09.7' E).

***Haplomesus concinnus* Birstein, 1971**

Birstein, 1971, p.211, fig. 21 (Kurile-Kamchatka Trench, 4840-6135m deep).-- Kussakin, 1988, p.465, fig. 382.

***Haplomesus gigas* Birstein, 1960**

*Birstein, 1960, p.6.-- Birstein, 1971, p. 209 (Kurile-Kamchatka Trench, 6675-8345m deep).-- Kussakin, 1988, p. 460, figs. 378-379.

***Haplomesus profundicola* Birstein, 1971**

Birstein, 1971, p.215, fig. 23 (Kurile-Kamchatka Trench, 7265-7295m deep).-- Kussakin, 1988, p.470, fig. 385.

***Haplomesus quadrispinosus* (G. O. Sars, 1879)**

Ischnosoma quadrispinosus *G. O. Sars, 1879, p.435.-- *G. O. Sars, 1885, p.126, pl. 2, figs. 26-29.

Haplomesus quadrispinosus *Hansen, 1916, p.59, pl. 5, figs. 1a-p.-- *Birstein, 1960, p.15.-- *Birstein, 1963,

p.62.-- *Wolff, 1962, p.86, 216, 221, figs. 143, 262, 290.-- Kussakin, 1988, p.448, figs. 367-368 (lat. 28° 53.5', long. 127° 21.1').

***Haplomesus robustus* Birstein, 1960**

*Birstein, 1960, p.9, fig. 6.-- *Wolff, 1962, pp.84, 87, 265.-- *Birstein, 1963, p.60.-- Birstein, 1971, p.213 (Kurile-Kamchatka Trench, 5005-6710m deep).-- Kussakin, 1988, p.456, figs. 376 (lat. 39° 02.9', long. 151° 50.6').

***Haplomesus scabriusculus* Birstein, 1960**

*Birstein, 1960, p.7, fig. 5.-- *Wolff, 1962, pp.85, 87, 265.-- *Birstein, 1963, p.60.-- Birstein, 1971, p.213 (Kurile-Kamchatka Trench, 5200m deep).-- Kussakin, 1988, p.468, figs. 384 (lat. 37° 54.5', long. 141° 43.9').

***Haplomesus thomsoni* (Beddard, 1886)**

Ischnomesus thompsoni *Beddard, 1886, p.168.

Heteromesus thompsoni, *Richardson, 1980, p.81.-- *Menzies, 1962, p.122.

Haplomesus thompsoni, *Birstein, 1960, p.6.-- *Birstein, 1963, p.60, fig. 27.-- Birstein, 1971, p.209 (Kurile-Kamchatka Trench, 6435-6710m deep).-- *Wolf, 1962, p.87.-- Kussakin, 1988, p.467, fig. 383.

***Haplomesus* sp. (A)**

蒲生, 1989, p.360, fig. 6 (金華山沖日本海溝, 水深6348~6416m).

***Haplomesus* sp. (B)**

蒲生, 1989, p.360, fig. 7 (金華山沖日本海溝, 水深6348~6416m).

***Haplomesus* sp. Birstein, 1971**

Birstein, 1971, p.214, fig. 22 (Kurile-Kamchatka Trench, 5005-5045m deep).

***Ischnomesus andriashevi* Birstein, 1960**

*Birstein, 1960, p.3, figs. 1-2.-- *Birstein, 1963, p. 57, pl. 1-2.-- Birstein, 1971, p. 200 (Kurile-Kamchatka Trench, 5005-5045m deep).-- Kussakin, 1988, p.421, figs. 348-349 (38° 11'N, 143° 56'E).

***Ischnomesus fragilis* Birstein, 1971**

Birstein, 1971, p.203, fig. 16 (Kurile-Kamchatka Trench, 5005-5045m deep).-- Kussakin, 1988, p.493, fig. 350.

***Ischnomesus latimanus* Birstein, 1971**

Birstein, 1971, p.200, fig. 15 (Kurile-Kamchatka Trench, 5005-5045m deep).-- Kussakin, 1988, p.426, fig. 353.

***Stylomesus hexatuberculatus* Birstein, 1971**

Birstein, 1971, p.206, fig. 18 (Kurile-Kamchatka Trench, 5005-6135m deep).-- Kussakin, 1988, p.438, fig. 360.

***Stylomesus menziesi* Birstein, 1960**

Stylomesus menzies *Birstein, 1960, p.20, fig. 15.-- *Birstein, 1963, p.26.-- Birstein, 1971, p.206, fig. 17 (Kurile-Kamchatka Trench, 5005-6135m deep).-- Kussakin, 1988, p.441, figs. 363-364 (lat. 31° 11', long. 143° 09.7').

Helomesus menzies, *Wolff, 1962, p.71, 84, 265.

***Stylomesus pacificus* Birstein, 1960**

Stylomesus inermis pacificus *Birstein, 1960, p.18, figs. 12-13.-- *Birstein, 1963, p.63.

Stylomesus pacificus, *Wolff, 1962, pp.72, 83, 266.-- Birstein, 1971, p.205 (Kurile-Kamchatka Trench, 5005-5200m deep).-- Kussakin, 1988, p.440, figs. 361-362 (lat. 38° N, long. 146° 30'E).

***Stylomesus* sp. Birstein, 1971**

Birstein, 1971, p.208, fig. 19 (Kurile-Kamchatka Trench, 6675-6710m deep).-- Kussakin, 1988, p.445, fig. 366.

Family Janirellidae : ヤニレラ科

***Janirella (Janirella) aculeata* Gamô, 1983**

Gamô, 1983, p.3, fig. 3 (East of Japan Trench, St. 11(KH-81-4), lat. 38° 33.9' N, long. 145° 15.7'E - lat. 38° 35.5' N, long. 144° 15.1'E, 5350-5370m).-- 蒲生, 1989, p.360, fig. 1D (日本海溝, 水深5350~5370m).

***Janirella (Janirella) bicornis* Gamô, 1982**

Gamô, 1982, p.2, fig. 1 (Sagami Bay, Sta. S-1-1(KH-80-1), lat. 34° 52.1'N, long. 139° 28.2'E, 1,678m deep, basaltic

sandy and gray muddy bottom).-- 蒲生, 1989, p.360, fig. 1B (相模湾, 水深1678m).

***Janirella (Janirella) extenuata* Birstein, 1971**

Birstein, 1971, p.166, fig. 1 (Kurile-Kamchatka Trench, 5005-5200m deep).

***Janirella (Janirella) fusiformis* Birstein, 1963**

*Birstein, 1963, p.33, fig. 14, pl. 1-1.-- Kussakin, 1988, p.195, fig. 163 (Japan).

***Janirella (Janirella) macrura* Birstein, 1963**

*Birstein, 1963, p.25.-- Birstein, 1971, p. 166 (Kurile-Kamchatka Trench, 6435-6710m deep).

***Janirella (Janirella) polychaeta* Birstein, 1963**

*Birstein, 1963, p.38, fig. 16.-- Kussakin, 1988, p.207, fig. 171 (Japan).

***Janirella (Janirella) rotundifrons* Gamô, 1982**

Gamô, 1982, p.4, fig. 2 (Sagami Bay, Sta. S-1-1(KH-80-1), lat. 34° 52.1'N, long. 139° 28.2'E, 1678m deep, basaltic sandy and gray muddy bottom).-- Gamô, 1983, p.6 (East of Japan Trench, St. 11(KH-81-4), lat. 38° 33.9' N, long. 145° 15.7'E ? lat. 38° 35.5' N, long. 144° 15.1'E, 5350-5370m).-- 蒲生, 1989, p.360, fig. 1A (相模湾及び日本海溝, 水深1678~5370m).

***Janirella (Janirella) spinosa* Birstein, 1963**

*Birstein, 1963, p.36.-- Birstein, 1971, p.168, fig. 2 (Kurile-Kamchatka Trench, 6435-8120m deep).

***Janirella (Janirella) tuberculata* Birstein, 1963**

*Birstein, 1963, p.28, fig. 11.-- Gamô, 1983, p.3, fig. 2 (East of Japan Trench, St. 11(KH-81-4), lat. 38° 33.9'N, long. 145° 15.7'E - lat. 38° 35.5'N, long. 144° 15.1'E, 5350-5370m & St. 12(KH-81-4), lat. 38° 33.3'N, long. 144° 19.4'E - lat. 38° 35.4'N, long. 144° 20.3'E, 6380-6450m).-- Kussakin, 1988, p.200, fig. 167 (Japan).--蒲生, 1989, p. 360, fig. 1C (日本海溝, 水深5817~6380m).

***Janirella (Parajanirella) diplospinosa* Birstein, 1971**

Birstein, 1971, p.170, fig. 3 (Kurile-Kamchatka Trench, 2770-3250m deep).

***Janirella (Parajanirella) hexaspinosa* Birstein, 1971**

Birstein, 1971, p.172, fig. 4 (Kurile-Kamchatka Trench, 1995m deep).

***Janirella (Parajanirella) quadrituberculata* Birstein, 1963**

*Birstein, 1963, p.25, fig. 8.-- Kussakin, 1988, p. 222, fig. 181.-- 蒲生, 1989, p.360, fig. 2E (千島・カムチャッカ及び日本海溝, 5920~6150m).

***Janirella (Parajanirella) sedecimtuberculata* Gamô, 1983**

Gamô, 1983, p.8, figs. 5 & 6 (East of Japan Trench, St.11(KH-81-4), lat. 38° 33.9'N, long. 145° 15.7'E - lat. 38° 35.5'N, long. 144° 15.1'E, 5350-5370m & St. 12(KH-81-4), lat. 38° 33.3'N, long. 144° 19.4'E - lat. 38° 35.4'N, long. 144° 20.3'E, 6380-6450m).-- 蒲生, 1989, p.360, figs. 2B-2D (日本海溝, 水深5250~6450m).

***Janirella (Parajanirella) verrucosa* Birstein, 1971**

*Birstein, 1971, p.174, fig. 5 (Kurile-Kamchatka Trench, 6205-6215m deep).-- Gamô, 1983, p.6, fig. 4 (East of Japan Trench, St. 11(KH-81-4), lat. 38° 33.9'N, long. 145° 15.7'E - lat. 38° 35.5'N, long. 144° 15.1'E, 5350-5370 m).-- Kussakin, 1988, p.220, fig. 180.-- 蒲生, 1989, p.360, fig. 2A (千島・カムチャッカ及び日本海溝, 5350~6215m).

Family Janiridae : ウミミズムシ科

***Caecianiropsis birsteini* Kussakin, 1979**

Kussakin, 1979b, p.107 & 121, figs. 1-3 (Okhotsk Sea, 39-79m deep).-- Kussakin, 1988, p.163, figs. 137-139.

***Caecijaera (Caecijaerella) derjugini* Kussakin, 1962**

*Kussakin, 1962, p.56, figs. 32-34.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 27-112m deep).-- Kussakin, 1988, p. 176, figs. 148-150 (the Sea of Japan).

***Caecijaera (Caecijaerella) mirabilis* Kussakin, 1962**

*Kussakin, 1962, p.53, figs. 29-31.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 2-29m deep).-- Kussakin, 1988, p.169, figs. 142-144.

***Ianiropsis derjugini* (Gurjanova, 1933)**

Ianiropsis derjugini *Gurjanova, 1933, p.82, figs. 5-6.-- Gurjanova, 1936b, p.45, fig. 13.-- *Gurjanova, 1950, p.282.-- *Kussakin, 1956, p.46, fig. 23.-- Kussakin, 1974, p.260, fig. 24 (intertidal zone of Kurile Is.).-- Kussakin, 1988, p.106, figs. 86-88.-- *Kussakin & Meshov, 1979, p.150.-- *Meshov, 1981, p.18.

Ianiropsis kincaidi derjugini *Menzies, 1952, p.139, figs. 56a-b, 57f-i, 58-59.-- *Wolff, 1962, p.251.-- *Schultz, 1969, p.265, fig. 417b, c.

Ianiropsis derjugini *Kussakin, 1956, p.46, fig. 23.-- Kussakin, 1974, p.260, fig. 24.-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-3m deep).-- Kussakin, 1988, p.106, figs. 86-88.-- Jang & Kwon, 1990, p.196, figs. 1A & 3 (Korea).

***Ianiropsis kincaidi* Richardson, 1904**

Ianiropsis kincaidi *Richardson, 1904, p.221, figs. 102-107.-- Gurjanova, 1936b, p.44, fig. 12 (the Sea of Japan, *Zostera nana*, 1-3m deep).-- *Gurjanova, 1950, p.281.-- *Kussakin, 1956, p.114.-- *Kussakin, 1962, p.44, fig. 22.-- Kussakin, 1974, pp.258, 260, fig. 23 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).-- Kussakin, 1988, p.112, figs. 93-95 (the Sea of Japan).-- *Mokjevskii, 1960, p.250.-- *Kussakin & Meshov, 1979, p.149.-- *Meshov, 1981, p.18.

Ianiropsis kincaidi *Richardson, 1904, p.665, figs. 7-12.-- Richardson, 1905, p.456, figs. 509-514.-- Gurjanova, 1936a, p.258 (the Sea of Japan).

Ianiropsis pugettensis *Hatch, 1947, p.172, figs. 170-171.

Ianiropsis kincaidi kincaidi *Menzies, 1952, p.136, figs. 56c, 57a-e.-- *Wolff, 1962, p.253.-- *Schultz, 1969, p.264, fig. 417a, d.

***Ianiropsis longiantennata* (Thielemann, 1910) ウミミズムシ**

Ianiropsis longiantennata Thielemann, 1910, p.70, figs. 76-81 (Japan).-- 岩佐 [旧日動], 1957, p.807, fig. 2323 (本州の太平洋岸及び瀬戸内海の干満線付近の石の下, 海藻の間等).-- 椎野 [原動大], 1961, p.125, pl.62, no.6 (我国太平洋岸, 満線の石の下, 海藻の間).-- 椎野 [新日動], 1965, p.550, no.753 (本州太平洋岸, 汀線帯の石の下・海藻の間にすむ).-- Nunomura, 1981a, p.44 (among the colonies of sea algae, Uchinoma, Ogi-machi; Lake Kamoko, Sado I., Niigata Pref.).-- 布村 [検日海], 1995, p.214, pl. 81-11 (汀線帯の石の下や海藻の間).-- 布村 [日海ブ], 1997a, p.1113.-- 稲葉, 1988, p. 136 (瀬戸内海全域).

Ianiropsis[sic.] *longiantennata*, Nunomura, 1975, p.33 (Jogasaki; Tagurazaki; Okawa, all Wakayama City, Wakayama Pref., from among the calcareous algae).

Ianiropsis longiantennata, Nunomura, 1985c, p.108 (Oogoshi, Kagawa Pref., from intertidal zone).

***Ianiropsis pallidocula* Kussakin, 1962**

Ianiropsis pallidocula *Kussakin, 1962, p.50, figs. 26-28.-- Kussakin, 1974, p.260, fig. 26 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1972a, p.164 (Urup, 0-48m deep; Simushir, lowest littoral, among *Laminaria*; Matua, 3-4m deep, all Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-48m deep).-- Kussakin, 1988, p.91, figs. 71-73 (the Sea of Japan).

***Ianiropsis serricaudis* (Gurjanova, 1936) アリソウミミズムシ**

Ianiropsis serricaudis Gurjanova, 1936a, p.251, fig. 1 (the Sea of Japan, lat. 42° 49'N, long. 133° 48'E, 0-2m deep).-- Gurjanova, 1936b, p.46, fig. 14 (the Sea of Japan, lat. 42° 49'N, long. 133° 48'E, 0-2m deep).-- *Gurjanova, 1938, p.232.-- 布村 [検日海], 1995, p.214, fig 21-199A (日本海(富山湾と沿海州), オホーツク海).

Ianiropsis serricaudis, *Kussakin, 1962, p.49, fig. 25.-- Kussakin, 1988, p.96, figs. 77-78.-- *Wolff, 1962, p.251.-- Jang & Kwon, 1990, p. 202, figs. 2B & 7 (Korea).

Ianiropsis notoensis Nunomura, 1985d, p.130, figs. 7-8 (Magari, Notojima-machi, Ishikawa Pref.).

***Ianiropsis setifera* (Gurjanova, 1950)**

Ianiropsis setifera *Gurjanova, 1950, p.282, fig. 1.

Ianiropsis setifera *Kussakin, 1962, p.47, fig. 24.-- Kussakin, 1974, p.260, fig. 25 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-0.5m deep).-- Kussakin, 1988, p.116, figs. 96-97 (the Sea of Japan).-- *Wolff, 1962, p.251.-- Jang & Kwon, 1990, p.197, figs. 1B & 4 (Korea).

***Ianiropsis* sp. (aff. *longiantennata* Thielemann, 1910)**

Ianiropsis sp. (aff. *longiantennata*[sic.] Thielemann, 1910), 布村, 1987, p.3 (大槌湾吉里弁天島; 山田湾田ノ浜, 荒神).

Ianiropsis sp. (aff. *longiantennata* Thielemann, 1910) Nunomura, 1999b, p.8, fig. 1 (Taredo, Hachijo I., Izu Is.).

***Ianiropsis* sp. Nunomura, 1985**

Nunomura, 1985c, p.108, fig. 7 (Oogoshi, Kagawa Pref., from subtidal zone).

***Ianiropsis* sp.**

Ianiropsis sp. 布村, 1999b, p.32 (富山湾氷見海岸虹ヶ島).

***Janira chuni* (Thielemann, 1910) ミナソコミズムシ**

Iolella Chuni Thielemann, 1910, p.72, figs. 82-85 (Fukuura, Sagamibai).

Janira chuni, 岩佐 [旧日動], 1957, p.807, fig. 2322 (相模湾150mの海底より).-- 椎野 [新日動], 1965, p.550, no. 752 (相模湾深海底よりえられる).-- Ohta, 1983, p.228 (Suruga Bay, 95-368m deep, 7 trawls).

***Janira japonica* Richardson, 1909**

Richardson, 1909, p.114, figs. 36-37 (southwest of Koshika I., eastern sea, at Tsurikake saki light (lat. 31° 31' N, long. 129° 25'30"E), 427 fathoms deep, in gray globigerina ooze & broken shells).

***Janiralata aberrantis* Kussakin & Mezhov, 1979**

*Kussakin & Meshov, 1979, p.163, figs. 10-12.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 554m deep).-- Kussakin, 1988, p. 70, figs. 52-54.

***Janiralata bilobata* Kussakin & Mezhov, 1979**

*Kussakin & Meshov, 1979, p.158, figs. 7-9.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 554m deep).-- Kussakin, 1988, p.83, figs. 64-66.

***Janiralata bisinuata* Kussakin, 1972**

Kussakin, 1972a, p.156, figs. 1-2 (Urup, 42-48m deep, Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 39-48 m deep).-- Kussakin, 1988, p.39, figs. 18-19.

***Janiralata erostrata* (Richardson, 1899)**

Janibe erostrata *Richardson, 1899, p.858.-- *Richardson, 1899, p. 299.

Iolella erostrata, Richardson, 1905, p.465, fig. 520.

Janira erostrata, Gurjanova, 1936a, p.258 (the Sea of Japan).-- Gurjanova, 1936b, p.41, fig. 8 (the Sea of Japan, lat. 43° 38'N, long. 135° 8'E, 65m deep & Okhotsk Sea, lat. 45° 40'N, long. 141° 59'E, 56m deep).--

*Gurjanova, 1950, p.281.

Janiralata erostrata, *Menzies, 1951, p.138.-- *Kussakin, 1962, p.22, fig. 2.-- Kussakin, 1972a, p.156 (Urup, 40-60m deep; Simushir, 50-60m deep, both Kuril Is.).-- Kussakin, 1988, p.42, figs. 23-26.

***Janiralata gurjanova* Kussakin, 1962**

*Kussakin, 1962, p.25, fig. 4-6.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 10-74m deep).-- Kussakin, 1988, p.48, figs. 30-32 (the Sea of Japan).-- *Kussakin & Meshov, 1979, p.157.

***Janiralata kurilensis* Kussakin, 1962 チシマミナソコミズムシ**

Janiralata kurilensis *Kussakin, 1962, p.31, figs. 10-12.-- Kussakin, 1988, p.41, figs. 20-22.

Janirata[sic.] *kurilensis*, Nunomura, 1991b, p.37, fig. 7 (off Akkeshi, Hokkaido Pref.).

***Janiralata microphthalma* Kussakin, 1972**

Kussakin, 1972a, p.159, figs. 3-4 (Urup, 15-20m deep, Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 15-20 m deep).-- Kussakin, 1988, p. 37, figs. 16-17.

***Janiralata obliterated* Kussakin, 1972**

Kussakin, 1972a, p.162, figs. 5-6 (Urup, 40-60m deep; Iturup, 40-41m deep; Simushir, 7-10m deep, all Kuril Is.; eastern Kamchatka, cape Krestovyi, 4-14m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 4-60m deep).-- Kussakin, 1988, p.35, figs. 14-15.

***Janiralata ochotensis* Kussakin, 1962**

*Kussakin, 1962, p.28, figs. 7-9.-- *Kussakin, 1962, p. 31, figs. 10-12.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 92-124m deep).-- Kussakin, 1988, p.51, figs. 33-35.

***Janiralata pilosa* Kussakin, 1962**

*Kussakin, 1962, p.34, figs. 16-18.-- Kussakin, 1972a, p.156 (Iturup, 40-41m deep; Urup, 15-48m deep; Paramushir, 30-52m deep, all Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 15-52m deep).-- Kussakin, 1988, p.67, figs. 47-49.

***Janiralata problematica* Kussakin & Mezhov, 1979**

*Kussakin & Meshov, 1979, p.166, figs. 13-15.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 554m deep).-- Kussakin, 1988, p.81, figs. 61-63.

***Janiralata soldatovi* (Gurjanova, 1933)**

Janira soldatovi *Gurjanova, 1933, p.81, fig. 4.-- Gurjanova, 1936a, p.258 (the Sea of Japan).-- Gurjanova, 1936b, p.42, fig. 9 (Okhotsk Sea, lat. 53° 37'N, long. 136° 54'E, 50m deep & the Sea of Japan, 31-96m deep).

Janiralata soldatovi *Menzies, 1951, p.138.-- *Wolff, 1962, p.41, 254.-- *Kussakin, 1962, p.23, 25, fig. 3.-- Kussakin, 1972a, p.156 (Iturup, 40-41m deep; Urup, 5-20m deep; Simushir, 7-10m deep, all Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 5-144m deep).-- Kussakin, 1988, p.45, figs. 27-29 (the Sea of Japan).-- *Kussakin & Meshov, 1979, p.157.

***Janiralata vitjazi* Kussakin, 1962**

*Kussakin, 1962, p.32, figs. 13-15.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 48-115m deep).-- Kussakin, 1988, p.54, figs. 36-38.

***Microthambema tenuis* Birstein, 1961**

*Birstein, 1961, p.132, figs. 1-2.-- *Birstein, 1963, p.11.-- *Birstein, 1970, p.294.-- Kussakin, 1988, p.20, figs. 4-5 (Japan).

Janiridae gen. & sp. Nunomura, 1992 ウミミズムシ科の1種

Nunomura, 1992c, p.31, fig. 1 (off Toyama City, from the stomach of zooid fish, *Petroschmidtia toyamaensis*).

Family Jaeropsidae : ヒラタウミミズムシ科

***Jaeropsis affinis* Kussakin, 1961**

*Kussakin, 1961, p.337, figs. 1-3.-- Kussakin, 1974, p.261, fig. 27 (intertidal zone of Kurile Is.).-- Kussakin, 1972a, p.165 (Urup, 5-20m deep, rocks with *Laminaria*; Simushir, 0.2m deep, rocks with *Laminaria*; Matua, 10 m deep).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 0-105m deep).

***Jaeropsis lata* Kussakin, 1961**

Kussakin, 1979b, p.122 (Okhotsk Sea).

***Jaeropsis latiantennata* Nunomura, 1999 フトヒゲヒラタウミミズムシ**

Nunomura, 1999b, p.10, fig. 2 (Ishijiro-kawa, Shikine I., Izu Is.).

***Jaeropsis lobata* Richardson, 1899 ヒラタウミミズムシ**

*Richardson, 1899, p.859 (Monterey Bay).-- *Richardson, 1899, p.326.-- *Richardson, 1900, p.300.-- Richardson, 1905, p.477, figs. 533-536.-- *Hatch, 1947, p.173, fig. 34 (Oregon).-- Nunomura & Nishimura, 1976, p.26 (Toyokunizaki, Misaki-cho, Osaka Pref.).-- 椎野 [新日動], 1965, p.551, no.754 (本州中部汀線帯の石の下. 米大陸カリフォルニアに分布).-- 稲葉, 1988, p.136 (大阪湾の岬町多奈川豊国崎).-- 布村 [検日海], 1995, p.214, fig 21-199B (中部日本の汀線下の石の下).

Family Mesosignidae : メソシグヌム科

***Mesosignum brevispinis* Birstein, 1963**

*Birstein, 1963, p.56, fig. 25.-- *Menziés & Frankenberg, 1967, p.121, fig. 5B.-- *Schultz, 1979, p.330.-- Kussakin, 1988, p.360, figs. 310.-- 蒲生, 1989, p.360, fig. 3C (千島・カムチャッカ海溝, 水深5670~5680m).

***Mesosignum elegantulum* Birstein, 1963**

*Birstein, 1963, p.53, figs. 23-24.-- *Birstein, 1970, p.300.-- Kussakin, 1988, p.358, figs. 308-309.-- 蒲生, 1989, p.360, fig. 3A (千島・カムチャッカ及び日本海溝付近海域, 水深4000~5200m).

***Mesosignum latum* Birstein, 1970**

*Birstein, 1970, p.316, figs. 3.-- Gamô, 1983, p.11, fig. 7 (East of Japan Trench, St. 12(KH-81-4), lat. 38° 33.3'N, long. 144° 19.4'E - lat. 38° 35.4' N, long. 144° 20.3'E, 6380-6450m).-- Kussakin, 1988, p.361, fig. 311.-- 蒲生, 1989, p.360, fig. 3B (太平洋北西部海域, 水深5500~6136m).

Family Microcerberidae : スナナナフシ科

***Microcerberus boninensis* Ito, 1975 ムニスナナナフシ**

Ito, 1975, p.120, figs. 1-5 (Hahajima; Mukojima & Ototojima, all Bonin Is.).-- 伊藤, 1985, p.62, fig. 36 (小笠原産).-- 布村 [検日海], 1995, p.215 (小笠原諸島).

***Microcerberus fukudai* Ito, 1974 フクダスナナナフシ**

Ito, 1974, p.338, figs. 1-3, pl. 27 (intertidal coarse sand of Hamakoshimizu near Abashiri; Tombetsu, both Hokkaido Pref.).-- Kussakin, 1982, p.66, figs. 46-47.-- 伊藤, 1985, p.62, fig. 36 (北海道浜小清水産).-- 布村 [検日海], 1995, p.215, fig. 21-199E (北海道).

***Microcerberus kiiensis* Nunomura, 1973 キイスナナナフシ (キイスナチビムシ)**

Nunomura, 1973, p.88, figs. 1-3 (Shirahama; Senrihama; Iwashiro & Seto, all Kii Peninsula).-- 布村 [検日海], 1995, p.215, fig. 21-199D (紀伊半島).

***Microcerberus* sp. ミクロケルベルスの一種**

布村, 1987, p.2 (山田町荒神, 三陸).

Family Munnidae : ムンナ科

***Heterosignum mutsuensis* Gamô, 1976**

Gamô, 1976, p.40, figs. 2-3 (Mutsu Bay, Akita Pref., 20m deep).

***Munna (Munna) crinita* Kussakin, 1972**

Kussakin, 1972b, p.166, figs. 1-3 (Urup, 15m deep; Matua, 10m deep, both Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 5-43m deep).-- Kussakin, 1988, p.256, figs. 205-207.

***Munna (Munna) parvituberculata* Kussakin, 1962**

Kussakin, 1962, p.93, figs. 19 & 20 (Okhotsk Sea).-- Kussakin, 1972b, p.166 (Simuthir, 50-60m deep, Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 50-147m deep).-- Kussakin, 1988, p.272, figs. 221-222.

***Munna (Munna) tenuipes* Kussakin, 1962**

Kussakin, 1962, p.95, figs. 21 & 22 (Okhotsk Sea, 43-85m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 43-85m deep).-- Kussakin, 1988, p.269, figs. 219-220.

***Munna (Neomunna) arnholdi* Gurjanova, 1933**

*Gurjanova, 1933, p.87, figs. 13 & 14.-- Gurjanova, 1936b, p.51, fig. 17a & 17b.-- Kussakin, 1962, p.92, figs. 17 & 18 (Okhotsk Sea).-- Kussakin, 1972b, p.169 (Urup, 50-60m deep, Kuril Is.).-- Kussakin, 1974, p.263, fig. 31 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 39-48m deep).-- Kussakin, 1988, p. 305, figs. 257-258.-- *Wolff, 1962, p.252.

***Munna (Neomunna) avatshensis* Gurjanova, 1936**

Gurjanova, 1936a, p.252, fig. 2 (Kamchatka, 13-15m deep).-- Gurjanova, 1936b, p.52, fig. 18.-- *Gurjanova, 1950, p.283.-- *Kussakin, 1962, p.78, fig. 4.-- Kussakin, 1972b, p.168 (Urup, 0-41m deep; Simuthir, 5-10m deep; Matua, 3-4m deep, all Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-41m deep).-- Kussakin, 1988, p.282, figs. 233-234.-- *Wolff, 1962, p.255.

***Munna (Neomunna) chromatocéphala* Menzies, 1952**

Munna (Neomunna) chromatocéphala *Menzies, 1952, p.128, figs. 52-53.-- *Wolff, 1962, p.252.-- *George, Stromberg, 1968, p.234, fig. 5A-C.-- *Schultz, 1969, p.297, fig. 471.-- Kussakin, 1988, p.293, figs. 245-249.

Munna chromatocéphala orientalis Kussakin, 1962, p.86, figs. 13 & 14 (Okhotsk Sea).-- Kussakin, 1974, p.262, fig. 29 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-24m deep).

***Munna (Neomunna) coxalis* Kussakin, 1972**

Kussakin, 1972b, p.173, figs. 6 & 7 (Urup, 20m deep, Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 20m deep).-- Kussakin, 1988, p.315, figs. 268-269.

***Munna (Neomunna) hirsuta* Kussakin, 1962**

Kussakin, 1962, p.75, figs. 2 & 3.-- Kussakin, 1972b, p.169 (Matua, 10m deep, Kuril Is.).-- Kussakin, 1988, p.279, figs. 231-232.

***Munna (Neomunna) kurilensis* Kussakin, 1974**

Kussakin, 1974, p.263, fig. 32 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).-- Kussakin, 1988, p.313, figs. 265-267.

***Munna (Neomunna) lobata* Kussakin, 1962**

Kussakin, 1962, p.82, figs. 9 & 10 (Okhotsk Sea, 63-105m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 63-105m deep).

***Munna (Neomunna) makarovi* Rostomov, 1986**

*Rostomov, 1987, p.77.-- Kussakin, 1988, p.311, figs. 263-264 (the Sea of Japan).

***Munna (Neomunna) modesta* Kussakin, 1962**

Kussakin, 1962, p.80, figs. 7 & 8 (Okhotsk Sea, 200-330m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 200-230m deep).-- Kussakin, 1988, p.287, figs. 237-238.

***Munna (Neomunna) ornata* Kussakin, 1962**

Kussakin, 1962, p.84, figs. 11 & 12 (Okhotsk Sea, 153-158m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 147-158m deep).-- Kussakin, 1988, p.320, figs. 272-273.

***Munna (Neomunna) serrata* Kussakin, 1962**

Kussakin, 1962, p.78, figs. 5 & 6 (Okhotsk Sea, 42m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 42-156m deep).-- Kussakin, 1988, p.284, figs. 235-236.

***Munna (Neomunna) setosa* Kussakin, 1962**

Kussakin, 1962, p.89, figs. 15 & 16.-- Kussakin, 1972b, p.170 (Urup, 3-46m deep, rocks, among red algae; Simuthir, intertidally, rocks, among the red alga *Ptilota*; Matua, 3-4m deep, all Kuril Is.).-- Kussakin, 1974, p.263, fig. 30 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 3-46m deep).-- Kussakin, 1988, p.302, figs. 255-256.

***Munna (Neomunna) stephenseni* Gurjanova, 1933**

*Gurjanova, 1933, p.88, fig. 15.-- Gurjanova, 1936b, p.50, fig. 16.-- *Menzies, 1952, p.124, fig. 49-51.-- Kussakin, 1962, p.73, fig. 1.-- Kussakin, 1972b, p.169 (Urup, 3-5m deep, Kuril Is.).-- Kussakin, 1974, p.261, fig. 27 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0-24m deep).-- Kussakin, 1988, p.277, figs. 227-230.-- *Wolff, 1962, p.252.-- *Schultz, 1969, p.297, fig. 472.

***Munna (Neomunna) subneglecta* Gurjanova, 1936**

Gurjanova, 1936a, p.254, fig. 3 (the Sea of Japan, lat. 42° 49'N, long. 133° 48'E, 0-0.5m deep).-- Gurjanova, 1936b, p.53, fig. 19 (the Sea of Japan, lat. 42° 49'N, long. 133° 48'E, 0.5m deep).-- Kussakin, 1962, p.89 (the Sea of Japan).-- Kussakin, 1988, p.299, figs. 251-252 (the Sea of Japan).-- *Wolff, 1962, p.252.

***Munna (Neomunna) urupica* Kussakin, 1972**

Kussakin, 1972b, p.170, figs. 4 & 5 (Urup, 5-48m deep; Simuthir, 50-60m deep, Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 5-60m deep).-- Kussakin, 1988, p.308, figs. 21-262.

***Munna* (?) sp.**

布村, 1987, p.3 (大槌湾湾口深所).

***Munna* sp.**

Kikuchi, 1968, p.177, no. 224 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).

***Pleurogonium angustum* Kussakin, 1972**

Kussakin, 1972b, p.175, fig. 8 (Kunashir, north-east coast, 40m deep, Kuril Is.).-- Kussakin, 1988, p.346, figs. 296-297.

***Pleurogonium gordeevae* Kussakin, 1962**

Kussakin, 1962, p.103, figs. 27 & 29 (Okhotsk Sea).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 16-78m deep).-- Kussakin, 1988, p.343, figs. 294-295.

***Pleurogonium inerme* G. O. Sars, 1883**

Pleurogonium inerme *G. O. Sars, 1883, p.67, pl. 2, fig. 5.-- *G. O. Sars, 1899, p.114, pl. 48, fig. 1.-- *Zirwas, 1910, p.97.-- *Hansen, 1916, p.43, pl. 3, figs. 8a-b.-- *Gurjanova, 1932, p.36, pl. 11-37.-- *Gurjanova, 1933, p.407, pl. 11-37.-- *Wolff, 1962, pp.256 & 289.-- *Schultz, 1969, p.291, fig. 460.-- Kussakin, 1988, p.348, figs. 299-301.

Pleurogonium inerme orientale, Kussakin, 1962, p.105, figs. 30 & 31 (Okhotsk Sea).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 7-140m deep).

***Pleurogonium lacinosum* Kussakin, 1962**

Kussakin, 1962, p.101, figs. 25 & 26 (Okhotsk Sea).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 46m deep).-- Kussakin, 1988, p.354, figs. 305-306.

***Pleurogonium rubicundum* (G. O. Sars, 1864)**

Pleuracantha rubicundum *G. O. Sars, 1864, p.220.

Pleurogonium rubicundum, *G. O. Sars, 1883, p.67.-- *G. O. Sars, 1899, p.113, pl. 47, fig. 2.-- *Tattersall, 1905, p.53.-- *Stephensen, 1929, p.2.-- *Stephensen, 1929, p.2.-- *Stephensen, 1948, p.81.-- *Apstein, 1908, p.44.-- *Dahl, 1916, p.30.-- *Hansen, 1916, p.45, pl. 3, figs.11a-b.-- *Nierstrasz & Schuurmans-Stekhoven, 1930, p.Xe14.-- *Gurjanova, 1932, p.37, fig. 12-40.-- *Gurjanova, 1933, p.407.-- *Hult, 1941, p.58.-- *Wolff, 1962, p.256, 271.-- *Gruner, 1965, p.146, Abb. 116-119.-- *Schultz, 1969, p.290, fig. 459.-- Kussakin, 1988, p.338, figs. 287-289.

Pleurogonium inermis (non G. O. Sars), *Gurjanova, 1950, p.284.

Pleurogonium rubicundum kamtshaticum, Kussakin, 1962, p.100, figs. 23 & 24 (Okhotsk-Kamchatka Sea).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 35-43m deep).

***Pleurogonium* sp.**

Kikuchi, 1968, p.177, no. 225 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).

Munnidae sp. ムンナ科の一種

布村 [検日海], 1995, p.215, fig. 21-199F (日本各地).

Family Munnopsidae : ムンノプシス科

***Munnopsis latifrons* F. E. Beddard, 1885**

*F. E. Beddard, 1885, p.917, pt. 4 (off Ino Sima I., 345 fathom deep, in green mud).-- *F. E. Beddard, 1866, p.56, pl. 10, figs. 1-4.-- Richardson, 1909, p.119, figs. 43-44 (off Omai saki light (lat. 34° 5'N, long. 137° 59'E),

332 fathom deep, in green mud, fine sand & globigerina; Kagoshima gulf, eastern sea, at Kusakaki Jima (lat. 30° 34'N, long. 129° 19'30"E), 440 fathom deep, in globigerina ooze).-- Thielemann, 1910, p.75 (Ino Shima I.: lat. 35° 11'N long. 139° 28'E).-- Gurjanova, 1936b, p.34, fig. 28 (Japan, 35° 11'N, 139° 28'E, 621m deep; 34° 5'N, 137° 59'E).

Family Parastenetridae : ホソミズムシ科

***Caecostenetroides nipponicum* Nunomura, 1975** ニッポンメナシホソミズムシ

Caecostenetroides[sic.] *nipponicum* Nunomura, 1975, p.31, figs. 13-14 (Nagasaki-kaigan, Misaki-cho, Osaka Pref., from intertidal zone).

Caecostenetroides nipponicum, 布村 [検日海], 1995, p.215, fig 21-199C (大阪湾).-- 稲葉, 1988, p.136 (大阪府泉南郡岬町深日長崎).

Suborder Epicaridea : ヤドリムシ亜目

Tribe Bopyrina : ポピルス族

Family Bopyridae : エビヤドリムシ科

Subfamily Pseudioninae

***Aporobopyrina lamellata* Shiino, 1934**

Shiino, 1934, p.263, fig. 3 (Yusaki, Seto, Kii Peninsula; Host: branchial cavity of *Petrolisthes pubescens* Holmes).-- Shiino, 1936b, p.161 (Shimoda; Host: *Petrolisthes hastatus*).-- 椎野, 1972, p.8, no. 31 (伊豆下田・和歌山県白浜; Host: *Petrolisthes hastatus* & *P. pubescens*の鰓室).

***Aporobopyrus lenticeps* (Shiino, 1958)**

Pseudione lenticeps Shiino, 1958, p.34, fig. 3, pl. 3, fig.2 (Kameshiro, near Hayama, Sagami Bay, 50m deep; Host: branchial cavity of *Munida japonica heteracantha* Ortman).-- 椎野, 1972, p.7, no. 14 (神奈川県葉山; Host: *Munida japonica heteracantha*の鰓室).

Aporobopyrus lenticeps, Adkison, 1988, p.579 [Systematic position].

***Aporobopyrus orientalis* (Shiino, 1933)**

Pseudione orientalis Shiino, 1933, p.268, fig. 7 (Seto, Kii Peninsula; Host: branchial cavity of *Galathea orientalis* Stimpson).-- 椎野, 1972, p.7, no. 9 (和歌山県白浜; Host: *Galathea orientalis*の鰓室).

Aporobopyrus orientalis, Adkison, 1988, p.579 [Systematic position].

***Aporobopyrus oviformis* Shiino, 1934**

Shiino, 1934, p.265, fig. 4 (Yusaki, Seto, Kii Peninsula; Host: branchial cavity of *Petrolisthes pubescens* Holmes).-- 椎野, 1972, p.7, no. 27 (和歌山県白浜; Host: *Petrolisthes pubescens*の鰓室).

***Aporobopyrus parvus* Shiino, 1939**

Shiino, 1939a, p.84, figs. 5-6 (Yaeyama group, Ryukyu; Host: branchial cavity of *Pisosoma* sp.).-- 椎野, 1972, p.8, no. 28 (石垣島; Host: *Pisosoma* sp.の鰓室).

***Aporobopyrus petrolistheae* (Shiino, 1933)** カニダマシノエラヤドリ

Pseudione petrolistheae Shiino, 1933, p.271, fig. 8 (Seto, Kii Peninsula, common; Host: branchial cavity of *Petrolisthes japonicus* (De Haan)).-- Shiino, 1939a, p.80.-- Shiino, 1958, p.30 (Yusaki, Shirahama; Host: undetermined species of porcellanid).-- 椎野 [新日動], 1965, p.552, no.758 (わが国沿岸に普通. Host: *Petrolisthes japonicus* カニダマシ).-- 椎野, 1972, p.7, no. 10 (白浜・天草; Host: *Petrolisthes japonicus*).

Aporobopyrus petrolistheae, Adkison, 1988, p.579 [Systematic position].

***Aporobopyrus ryukuensis* Shiino, 1939**

Shiino, 1939a, p.81, figs. 3-4 (Benoki, Okinawa-zima, Ryukyu; Host: branchial cavity of *Petrolisthes hastatus* Stimpson; and also; Kabira, Ishigaki-zima, Yaeyama group, Ryukyu; Host: branchial cavity of *P. yaeyamaensis*

Miyake).-- 椎野, 1972, p.7, no. 27 (沖縄県へのき・石垣島; Host: *Petrolisthes hastatus* & *P. yaeyamaensis*の鰓室).

***Asymmetrione asymmetrica* (Shiino, 1933)**

Pseudione asymmetrica Shiino, 1933, p.273, figs. 9-10 (Tanabe Bay, common; Host: right branchial cavity, never left, of the hermit crab, *Clibanarius bimaculatus* (De Haan)).-- Shiino, 1958, p.30 (Shirahama; Host: branchial cavity of *Clibanarius bimaculatus* (De Haan)).-- 椎野, 1972, p.7, no. 8 (田辺湾; Host: *Clibanarius bimaculatus*の鰓室).

Asymmetrione asymmetrica, Markham, 1985b, p.4, fig. 1 (Phuket, Thailand; Host: *Clibanarius merguensis* de Man).

***Bopyrissa pyriforma* (Shiino, 1958)**

Pseudionella pyriforma Shiino, 1958, p.41, fig. 7, pl. 3, Fig. 3 (Toshi Island, Mie Pref.; Host: branchial cavity of *Diogenes edwardsii* (De Haan)).-- 椎野, 1972, p.7, no. 23 (三重県塔志島; Host: *Diogenes edwardsii*の鰓室).

Bopyrissa pyriforma, Bourdon, 1979, p.141. [Systematic position].-- Markham, 1982, p.333, figs. 6-7. (Hong Kong; Host: *Clibanarius bimaculatus* (de Haan)).-- Kim & Kwon, 1988b, p.203, fig. 3 (Korea; Host: *Diogenes edwardsii*).

***Gigantione sagamiensis* Shiino, 1958**

Shiino, 1958, p.45, fig. 9 (Kannonzuka-dashi, Amadaiba, near Hayama, Sagami Bay; Host: branchial cavity of *Carpiliodes lophopus boninensis*).-- 椎野, 1972, p.7, no. 3 (神奈川県葉山; Host: *Carpiliodes lophopus boninensis*の鰓室).

***Gigantione ishigakiensis* Shiino, 1941**

Shiino, 1941, p.156, figs. 3-4 (Shika, Ishigakishima, coral reef; Host: branchial cavity of *Carpilius convexus* (Forsk.)).-- 椎野, 1972, p.7, no. 2 (沖縄県石垣島; Host: *Carpilius convexus*の鰓室).

***Metabopyrus ovalis* Shiino, 1939**

Shiino, 1939a, p.88, figs. 7-8 (Hakata Bay, Kyushu; Host: branchial cavity of *Upogebia major* (De Haan), the identification of which was corrected for *Upogebia issaeffi* Balss in Shiino (1958)).-- Shiino, 1958, p.48, fig. 10 (locality and host unknown).-- 椎野, 1972, p.7, no. 4 (博多湾; Host: *Upogebia major*の鰓室).-- Kim & Kwon, 1988b, p.201, fig. 2 (Korea; Host: *Upogebia major*).

***Pagurion tuberculata* Shiino, 1933**

Shiino, 1933, p.254, fig. 2 (Tanabe Bay, Wakayama Pref.; Host: right branchial cavity of *Pagurus watasei* Terao, from 20-30m deep).-- 椎野, 1972, p.7, no. 24 (和歌山県白浜; Host: *Pagurus watasei*の鰓室).

***Parapagurion calcincola* Shiino, 1933**

Shiino, 1933, p.257, fig. 3 (Seto, Kii Peninsula; Host: left branchial cavity of the hermit crab, *Calcinus elegans* (Milne-Edwards)).-- 椎野, 1972, p.7, no. 25 (和歌山県白浜; Host: *Calcinus elegans*の鰓室).-- Markham, 1985b, p.10 (Phuket, Thailand; Host: *Paguristes* sp.).

***Parapseudione lata* Shiino, 1958**

Shiino, 1958, p.37, figs. 5-6 (Yoichi, Hokkaido; Host: branchial cavity of *Pagurus middendorffii* Brandt).-- 椎野, 1972, p.8, no. 48 (北海道余市; Host: *Pagurus middendorffii*の鰓室).

***Parione pachychelii* Shiino, 1950**

Shiino, 1950a, p.157, fig. 3 (Sisozima, Seto, Wakayama Pref.; Host: branchial cavity of *Pachycheles stevensii* Stimpson).-- 椎野, 1972, p.8, no. 29 (和歌山県白浜; Host: *Pachycheles stevensii*の鰓室).

***Parioninella obovata* Shiino, 1958**

Shiino, 1958, p.43, fig.8, pl. 3, fig.4 (Kannonzuka-dashi, Amadaiba, near Hayama, Sagami Bay; Host: branchial cavity of *Munida japonica japonica* Stimpson).-- 椎野, 1972, p.8, no. 30 (神奈川県葉山; Host: *Munida japonica japonica*の鰓室).

***Pleurocrypta yatsui* (Pearse, 1930) カニダマシエラムシ**

Probopyrus yatsui *Pearse, 1930, p.5, figs. 19-21.

Pleurocrypta yatsui, Shiino, 1933, p.259, fig. 4 (among the coast of Tanabe Bay, Wakayama Pref., very common;

Host: branchial cavity of *Petrolisthes japonicus* De Haan).-- 椎野 [原動大], 1961, p.126, pl.63, no.2 (イソカニ
ダマシの鰓室内に寄生).-- 椎野, 1972, p.8, no. 32 (田辺湾・三崎; Host: *Petrolisthes japonicus*の鰓室).-- Kim &
Kwon, 1988a, p.210, fig. 7 (Cheju I., Korea; Host: *Petrolisthes japonicus* (de Haan, 1849)).-- Kim & Kwon,
1988b, p.205 (Korea; Host: *Petrolisthes japonicus*).

***Pleurocryptella infecta* Nierstrasz & Brender a Brandis, 1923**

*Nierstrasz & Brender a Brandis, 1923, p.86f, pl. 5, fig. 15, pl. 8, fig. 33, pl. 9, fig. 37.-- Shiino, 1937c, p.296,
figs. 2-3 (off Tosa, 30-100 fathoms deep; Host: *Munida japonica* Stimpson).-- 椎野, 1972, p.7, no.1 (土佐沖;
Host: *Munida japonica*の鰓室).

***Progebiophilus filicaudatus* (Shiino, 1958)**

Pseudione filicaudata Shiino, 1958, p.31, fig. 2 (Sugashima, Mie Pref.; Host: branchial cavity of *Upogebia*
issaeffi Balss).-- 椎野, 1972, p.7, no. 13 (三重県菅島; Host: *Upogebia issaeffi*の鰓室).

Progebiophilus filicaudatus, Bourdon, 1981, p.127 [Systematic position].

***Progebiophilus villosus* (Shiino, 1964)**

Pseudione villosa Shiino, 1964, p.237, fig. 1 (Sumiyo Bay, Amamiooshima; Host: *Upogebia pugnax* De Man).--
椎野, 1972, p.7, no. 16 (奄美大島住用湾; Host: *Upogebia pugnax*の鰓室).

Progebiophilus villosus, Bourdon, 1981, p.127 [Systematic position].

***Propseudione rhombicosoma* Shiino, 1933**

Shiino, 1933, p.263, fig. 5 (Seto, Kii Peninsula, frequency obtained; Host: branchial cavity of the hermit crab,
Calcinus herbstii De Man).-- 椎野, 1972, p.7, no. 21 (和歌山県白浜; Host: *Calcinus herbstii*の鰓室).

***Pseudione calcinii* Shiino, 1958**

Shiino, 1958, p.36, fig. 4 (Host: branchial cavity of *Calcinus latens*).-- 椎野, 1972, p.7, no. 15 (和歌山県白浜;
Host: *Calcinus latens*の鰓室).

***Pseudione clibanaricola* Shiino, 1933**

Shiino, 1933, p.265, fig. 6 (among the coast of Tanabe Bay, Wakayama Pref., common; Host: the left brachial
cavity, never in the right, of the hermit crab, *Clibanalis bimaculatus* (De Haan)).-- 椎野, 1972, p.7, no. 7 (田
辺湾; Host: *Clibanarius bimaculatus*の鰓室).

***Pseudione compressa* Shiino, 1964**

Shiino, 1964, p.240, fig. 2 (Honohoshi, Amamiooshima; Host: branchial cavity of *Callianassa* (*Callianassa*)
jouseaumei Nobili).-- 椎野, 1972, p.7, no. 17 (この文献でのホストの記録は誤り—著者).

***Pseudione hyndmanni* (Bate & Westwood, 1869)**

Phryxus hyndmanni *Bate & Westwood, 1869, p.243.

Pseudione proxima, *Bonnier, 1900, p.298.

Pseudione hyndmanni, *Bonnier, 1900, p.299.-- Shiino, 1936c, p.177, fig. 1 (off Misaki, 80 fathoms deep; Host:
branchial cavity of *Eupagurus* sp.).-- 椎野, 1972, p.7, no. 11 (神奈川県三崎; Host: *Eupagurus* sp.の鰓室).

***Pseudione intermedia* Nierstrasz & Brender a Brandis, 1932**

*Nierstrasz & Brender a Brandis, 1932, p.94, figs. 7-9.-- Shiino, 1936c, p.183, fig. 3 (Yahagi, Misaki, 90 fathoms
deep; Host: branchial cavity of *Eupagurus triserratus*).-- 椎野, 1972, p.7, no. 5 (三崎; Host: *Eupagurus*
*triserratus*の鰓室; 産地不明; Host: *Eupagurus* sp.).

***Pseudione japonensis* Nierstrasz & Brender a Brandis, 1931**

*Nierstrasz & Brender a Brandis, 1931.-- 椎野, 1972, p.7, no. 20 (平戸海峡・三崎; Host: *Galathea* sp.の鰓室).

***Pseudione longicauda* Shiino, 1937**

Shiino, 1937a, p.479, figs. 1-2 (Seto, Wakayama Pref.; Host: branchial cavity of *Callianassa subterranea* var.
japonica Ortman).-- Shiino, 1958, p.30, fig. 1, pl. 3, Fig. 1 (Sugashima, Mie Pref.; Host: branchial cavity of
Callianassa japonica).-- 椎野, 1972, p.7, no. 12 (和歌山県白浜・三重県菅島; Host: *Callianassa japonica*の鰓室).--
Markham, 1992, p.281, figs. 4-5 (Hong Kong; Host: *Callianassa petarula* Stimpson).

***Pseudione magna* Shiino, 1951**

Shiino, 1951, p.29, figs. 3-4 (off Owase, Province Sima, Mie Pref.; Host: branchial cavity of *Heterocarpud sibogae* De Man).

***Pseudione nephropsi* Shiino, 1951**

Shiino, 1951, p.32, figs. 5-6 (off Owase, Province Sima, Mie Pref.; Host: branchial cavity of *Nephrops japonicus* Tapparone-Canefri).-- 椎野, 1972, p.7, no. 19 (三重県尾鷲沖; Host: *Nephrops japonicus*の鰓室).

***Pseudione sagamiensis* Nierstrasz & Brender a Brandis, 1932**

*Nierstrasz & Brender a Brandis, 1932, p.95, figs. 10-11.-- Shiino, 1936c, p.181, fig. 2 (Yodom, Misaki, 80-280 fathoms; Host: branchial cavity of *Galathea integra*).-- 椎野, 1972, p.7, no. 6 (相模湾・三崎, Hosts: *Galathea integra*及び*Galathea* sp. の鰓室).

***Pseudionella attenuata* Shiino, 1949**

Shiino, 1949c, p.62, fig. 2 (Seto, Wakayama Pref.; Host: branchial cavity of *Eupagurus* sp.).-- 椎野, 1972, p.7, no. 22 (和歌山県白浜; Host: *Eupagurus* sp. の鰓室).

Subfamily Argeiinae

***Argeia lowisi* Chopra, 1923**

*Chopra, 1923, p.477, pl. 15, figs. 1-5.-- Shiino, 1958, p.56, fig. 15 (Sumoto, Awaji I., Osaka Bay; Host: branchial cavity of *Alpheus* sp.(either *rapax*, or *brevirostris*).-- 椎野, 1972, p.8, no. 45 (淡路島州本; Host: *Alpheus* sp. の鰓室).-- 稲葉, 1988, p.135 (大阪湾; Host: gill pouch of *Alpheus brevicristatus* テッポウエビ).
nec. Nierstrasa & Brender a Brandis, 1929, p.16, figs. 17-18.

***Argeia nierstraszi* Shiino, 1958**

Argeia lowisi (non Chopra, 1923)* Nierstrasa & Brender a Brandis, 1929, p.16, figs. 17-18.

Argeia nierstraszi Shiino, 1958, p.59, fig. 16 (Mie Pref.; Host: branchial cavity of *Alpheus bisincisus* De Haan).
-- 椎野, 1972, p.8, no. 46 (三重県; Host: *Alpheus bisincisus*).

***Argeia pugettensis* Dana, 1852 エビジャコヤドリムシ**

Argeia pugettensis *Dana, 1852, p.804, pl. 53, fig. 7.-- *Stimpson, 1857, p.511.-- *Richardson, 1899, p.868.-- *Richardson, 1899, p.337.-- *Richardson, 1900, p.308.-- Richardson, 1904, p.45 (Tsuragi Saki Light, Japan; Host: *Crangon* sp.; and also; Yokkaichi Light, Oboro Saki, and Mogi, Japan; Host: *Crangon propinquus* Stimpson).-- Richardson, 1904, p.60.-- Richardson, 1905, p.220.-- Richardson, 1905, p.544, figs. 586-597.-- Richardson, 1909, p.122 (Hakodate; Matsu shima, the Sea of Japan to Nagasaki (lat. 36° 30'30"N, long. 129° 43' E); surface light or 31-94 fathoms deep, in green mud & gray sand; Host: *Nectocrangon* sp.(?)).-- *Bonnier, 1900, p.327.-- Thielemann, 1910, p.81 (Tsuragi Saki; Yokkaichi; Oborosaki).-- *Nierstrasz & Brender a Brandis, 1923, p.87.-- Shiino, 1933, p.277, fig. 1 (locality and host unknown).-- Shiino, 1937c, p.299 (4-5 fathoms deep, Asamusi, Aomori Pref.; Host: *Crangon affinis* De Haan).-- Shiino, 1958, p.56 (Karasu and Shiratsuka, Mie Pref.; Shimmaiko, Cita Peninsula, east coast of Ise Bay; Osaka Bay; off Kushiro & Akkeshi, Hokkaido; Host: *Crago affinis* (De Haan); Tsuiyama, Hyogo Pref.; Host: *Nectocrangon lar* (Owen); Owase, Mie Pref.; off Nagai, Sagami Bay, 130m deep; Host: *Crago sagamiense* (Balss)).-- 椎野 [新日動], 1965, p.552, no.759 (日本からアラスカ・カナダを経て米国カリフォルニアにわたり北太平洋に広く分布。Host: *Crago affinis* エビジャコ, *C. sagamiense* ソコエビジャコ, その他近縁種の鰓にきわめて高い膨瘤をつくり寄生).-- 椎野, 1972, p.8, no. 44 (青森県浅虫・北海道厚岸・釧路沖・大阪湾・伊勢湾・四日市・茂木・小幌三崎・三重県香良州・三重県白塚・愛知県新舞子・尾鷲・相模湾長井・兵庫県津井山・函館・日本海・剣崎; Host: *Crago affinis*の鰓室 & *C. sagamiense*, *Nectocrangon lar*, *N. sp.*).-- Gurjanova, 1936b, p.219, fig. 139 (the Sea of Japan, lat. 47° 35'N, long. 141° 43'E; lat. 47° 32' N, long. 141° 45'E; lat. 36° 30'N, long. 129° 43'E; 0-160m deep; Host: *Crangon*, *Neocrangon*).-- *Hach, 1947, p.224, pl. 9, figs. 110-112.-- *George & Stromberg, 1968, p.253.-- *Markham, 1977, p.112.-- Nunomura, 1981a, p.58 (off Awashima I.; Host: *Argis lar* Owen; Sawane, Sawada-machi, Sado I., both Niigata Pref.; Host: *Crangon affinis* De Haan).-- 布村, 1987, p.4 (大槌湾, エビジャコの鰓腔内, 寄生率はかなり高い).-- 布村 [検日海],

1995, p.227, fig. 21-203A (日本からアラスカ, カナダを経てカリフォルニアにいたる北太平洋沿岸. エビジャコやソコエビジャコの鰓室にきわめて高率で寄生).-- 尾美・水島, 1984, p.250, fig.2-1~3. (北海道東部海域; Host: *Crangon affinis*エビジャコ).-- Kim & Kwon, 1988b, p.208, fig. 6 (Korea; Host: *Argis lar* (Owen, 1839); *Crangon* (*Crangon*) *affinis* (de Haan, 1849); *Crangon* (*Crangon*) *hakodatei* (Rathbun, 1902).-- 稲葉, 1988, p.135 (大阪湾, Host: pouch of *Crangon affinis* エビジャコ).

Argeia depauperata [sic.], *Richardson, 1898, p.868

Argeia calmani *Bonnier, 1900, p.329.

Argeia pauperata, Richardson, 1905, p.551.-- *Nierstrasz & Brender a Brandis, 1923, p.87.

***Stegoalpheon kemp* Chopra, 1923**

*Chopra, 1923, p.462, pl. 13, figs. 1-7, text-fig. 8.-- Shiino, 1951, p.27, figs. 1-2 (Tosizima Island, along Mie Pref., Host: branchial cavity of *Crangon rapax* (De Haan)).-- Shiino, 1956, p.61 (Osaka Bay; Host: branchial cavity of *Crangon rapax* (De Haan)).-- 椎野, 1972, p.8, no. 47 (大阪湾・三重県塔志島; Host: *Crangon rapax*の鰓室).-- 稲葉, 1988, p.135 (大阪湾, Host: gill pouch of *Alpheus distinguendus*オニテッポウエビ).

Subfamily Bopyrinae

***Bopyrella inoi* Shiino, 1949**

Shiino, 1949a, p.47, fig. 2 (Kominato, Chiba Pref.; Host: branchial cavity of *Synalpheus* sp.).-- 椎野, 1972, p. 8, no. 53 (千葉県小湊; Host: *Synalpheus* sp. の鰓室).-- Markham, 1985a, p.67 [Systematic position; this species evidently belongs in *Synsynella* Hay or other genus].

***Bopyrinella albida* Shiino, 1958**

Shiino, 1958, p.62, fig. 17 (Kominato, Chiba Pref., east coast of Tokyo Bay; Host: branchial cavity of *Athanas kominatoensis*).-- 椎野, 1972, p.8, no. 56 (千葉県小湊; Host: *Athanas kominatoensis*の鰓室).-- Markham, 1985b, p.25, fig. 12 (Phuket, Thailand; Host: *Athanas dimorphus*).-- Nakashima, 1995, p.12 (rocky shore near the Seto Marine Biological Laboratory, Shirahama, Wakayama Pref.; Host: *Athanas kominatoensis* Kubo, cryptoniscium larvae chiefly settled under the carapace & sometimes joints of the terga; adult moved to the branchial chamber).

***Bopyrinella nipponica* (Shiino, 1936)**

Bopyrinella antilensis[sic.] var. *nipponica*, Shiino, 1936a, p.159, fig. 2 (Hatake shima, Tanabe Bay, Wakayama Pref.; Host: branchial cavity of *Spirontocaris rectirostris* (Stimpson)).-- Shiino, 1936c, p.185 (Aburatsubo, Misaki; Host: *Spirontocaris rectirostris*).-- Shiino, 1958, p.62 (Seto, Wakayama Pref.; Host: *Spirontocaris rectirostris*).-- 椎野, 1972, p.8, no. 55 (田辺湾・三崎・白浜; Host: *Spirontocaris rectirostris*の鰓室).

Bopyrinella nipponica, Markham, 1985a, p.81 [Systematic position].

***Bopyrinina dorsimaculata* Shiino, 1933**

Shiino, 1933, p.288, fig. 15 (Seto, Kii Peninsula; Host: branchial cavity of *Periclimenes* sp.).-- 椎野, 1972, p.8, no. 63 (白浜; Host: *Periclimenes* sp. の鰓室).

***Bopyroides hippolytes* (Kroyer, 1838)**

Bopyrus hippolytes *Kroyer, 1838, p.306 (78), pl. 4, fig. 22.-- *Edwards, 1840, p.283.-- *Kroyer, 1842, p.262.-- *Kroyer, 1849, pl. 28, fig. 2.-- *Stimpson, 1863, p.140.

Bopyroides acutimarginatus *Stimpson, 1864, p.156.

Gyge hippolytes, *Bate & Westwood, 1868, p.230.-- *Miers, 1877, p.64(14),.-- *Smith in Harger, 1879, p.157.-- *Harger, 1880, pt. 6, p.311.-- *Hansen, 1887-88, p.197.-- *Axel Ohlin, 1895, p.19.

Bopyroides hippolytes, *G. O. Sars, 1899, p.199, pl. 84, fig. 2.-- *Bonnier, 1900, p.373.-- *Richardson, 1901, p. 578.-- Richardson, 1904, p.64.-- Richardson, 1905, p.218.-- Richardson, 1905, p.567, figs. 628-637.-- Richardson, 1909, p.122 (Ebisu, Sado I. to Nanao, Noto Peninsula, at Hime saki light (lat. 38° 09'N, long. 138° 32'12"E), 43-245 fathoms deep, green sand & fine brown mud).-- *Hansen, 1916, p.203, pl. 15, figs. 11a-d.-- *Nierstaaz & Brender a Brandis, 1923, p.102.-- *Nierstaaz & Brender a Brandis, 1926, p.32, figs. 100-104.-- *Fee, 1926, p.29.--

Gurjanova, 1936b, p.221, fig. 140 (the Sea of Japan, lat. 38° 09'N, long. 138° 32'E, 80-400m deep).-- Shiino, 1937c, p.293, fig. 1 (Asamusi, Aomori Pref., 4-5 fathoms deep; Host: *Spirontocaris pandaloides* Stimpson; 5m deep; Host: *S. alcimede* De Man; Hokkaido; locality unknown; Host: *S. mororani* Rathbun).-- 椎野, 1972, p.8, no. 57 (青森県浅虫・北海道厚岸・日本海; Host: *Spirontocaris pandaloides*の鰓室, *S. alcimede* & *S. mororani*).-- *Hatch, 1947, p.225, figs. 116-119.-- *George & Stromberg, 1968, p.253.-- 尾美・水島, 1984, p.250, fig.2-4~6. (北海道東部海域; Host: *Pandalus borealis*ホッコクアカエビ) -- Kim & Kwon, 1988b, p.212, fig. 8 (Korea; Host: *Pandalus borealis* Kroyer, 1838).

Bopyroides sarsi *Bonnier, 1900, p.376.

Bopyroides sp. *Bonnier, 1900, p.378.

***Bopyrus squillarum* Latreille, 1802 エビヤドリムシ**

Bopyrus squillarum *Latreille, 1802, p.216.-- *Latreille, 1806, p.55, pl. 59, fig. 2.-- *Bate & Westwood, 1868, p.214.-- *Sars, 1899, p.196, pl. 84, fig. 1.-- *Chopra, 1923, p.512.-- Shiino, 1933, p.283, fig. 13 (Seto, Kii Peninsula; Host: branchial cavity of *Leander serrifer* Stimpson & *L. pacificus* Stimpson).-- Yoshida, 1952, p.362 (Misaki Mar. Biol. Stat.; Host: *Leander serrifer*).-- Shiino, 1958, p.62 (Mukaijima, near Onomichi, Inland Sea; Misaki, Sagami Bay; Host: branchial cavity of *Leander serrifer* Stimpson).-- 椎野, 1972, p.8, no. 59 (和歌山県白浜・広島県向島; Host: *Leander serrifer*の鰓室 & *L. pacificus*).-- 稲葉, 1988, p.135 (向島, Hosts: *gill pouch of Palaemon pacificus*イソスジエビ & *Palaemon serrifer*スジエビモドキ).-- 伊藤・渡邊, 1992, p.29, figs. 1-2 (千葉県館山市東京水産大学坂田実験場先潮間帯, Hosts: *Palaemon pacificus*イソスジエビ & *Palaemon serrifer*スジエビモドキ).-- 武田 [山溪海], 1994, p.278, no. 1 (葉山).

Monoculus crangorum, *Fabricius, 1798, 306.

Bopyrus fougerouxii, *Bonnier, 1900, p.359, pls. 35-36.

Bopyrus helleri, *Bonnier, 1900, p.362, pl. 37.

Bopyrus rathkei, *Bonnier, 1900, p.363.

Bopyrus xiphias, *Bonnier, 1900, p.363, pl. 37.

***Parabopyrella angusta* (Shiino, 1936)**

Bopyrella angusta Shiino, 1936a, p.157, fig. 1 (Hatakeshima, Tanabebay, Wakayama Pref.; Host: branchial cavity *Alpheus* sp.).-- 椎野, 1972, p.8, no. 49 (田辺湾; Host: *Alpheus* sp.の鰓室).

Parabopyrella angusta, Markham, 1985a, p.67 [Systematic position].

***Parabopyrella crenulata* (Shiino, 1939) テッポウエビヤドリムシ**

Bopyrella crenulata Shiino, 1939a, p.91 (Tomioka Bay, Amakusa, Kyushu; Host: branchial cavity of *Alpheus japonicus* Ortmann).-- 椎野 [旧日動], 1957, p.820, fig. 2361 (本邦中南部に産す. Host: *Crangon japonicus* (Miers) テナガテッポウエビの鰓室に寄生す).-- 椎野 [新日動], 1965, p.552, no.760 (わが国中南部沿岸に産する. Host: *Crangon japonicus* テナガテッポウエビの鰓室に寄生).-- 椎野, 1972, p.8, no. 50 (天草富岡湾; Host: *Alpheus japonicus*の鰓室).

Parabopyrella crenulata, Markham, 1985a, p.67 [Systematic position].

***Parabopyrella elongata* (Shiino, 1949)**

Bopyrella elongata Shiino, 1949a, p.45, fig. 1 (Seto, Wakayama Pref.; Host: branchial cavity of *Crangon bisincisus* (de Haan)).-- 椎野, 1972, p.8, no. 52 (和歌山県白浜; Host: *Crangon bisincisus*の鰓室).

Parabopyrella elongata, Markham, 1985a, p.67 [Systematic position].

***Parabopyrella pacifica* (Shiino, 1933)**

Bopyrella pacifica Shiino, 1933, p.280, fig. 12 (Seto, Kii Peninsula; Host: branchial cavity of *Synalpheus* sp.).-- Shiino, 1958, p.61 (Tanabe Bay, Wakayama Pref.; Host: branchial cavity of *Betaeus* sp.).-- 椎野, 1972, p.8, no. 54 (田辺湾・白浜; Host: *Betaeus* sp.の鰓室).

Parabopyrella pacifica, Markham, 1985a, p.67 [Systematic position].

***Parabopyrella setoensis* (Shiino, 1939)**

Bopyrella setoensis Shiino, 1939b, p.11, fig. 1 (Tosima, Seto, Wakayama Pref.; Host: an Alpheid).-- 椎野, 1972,

p.8, no. 51 (和歌山県白浜; Host: An alpheidの鰓室).

Parabopyrella setoensis, Markham, 1985a, p.67 [Systematic position].

***Parabopyrus kiiensis* Shiino, 1934**

Shiino, 1934, p.268, fig. 5 (Yusaki and Shisojima, Seto, Kii Peninsula; Host: branchial cavity of *Hippolysmata* sp.)-- 椎野, 1972, p.8, no. 58 (和歌山県白浜; Host: *Hippolysmata* sp.の鰓室).

***Schizobopyrina amakusaensis* (Shiino, 1939)**

Bopyrina amakusaensis Shiino, 1939a, p.94, figs. 11-12 (Amakusa, Kyushu; Host: branchial cavity of *Periclimenes* sp.)-- 椎野, 1972, p.8, no. 62 (天草富岡湾; Host: *Periclimenes* sp.の鰓室).

Schizobopyrina amakusaensis, Markham, 1985a, p.46 [Systematic position].

***Schizobopyrina kossmanni* (Chopra, 1923)**

Bopyrina kossmanni *Chopra, 1923, p.527, pl. 20, figs. 7-11.-- Shiino, 1933, p.286, fig. 14 (Seto, Kii Peninsula, in a rock-pool; Host: branchial cavity of *Periclimenes* sp.)-- 椎野, 1972, p.8, no. 60 (白浜; Host: *Periclimenes* sp.の鰓室).

Schizobopyrina kossmanni, Markham, 1985a, p.46 [Systematic position].

Bopyrinae sp.

Bopyrina giardi *Bonnier, 1900, p.365, pls. 38-40.-- *Norman, 1907, p.363.-- *Chopra, 1923, p.532, fig. 31.-- *Nierstrasz & Brender a Brandis, 1926, p.30, figs. 87-99.-- Shiino, 1934, p.270, fig. 6 (Seto, Kii Peninsula; Host: branchial cavity of *Hippolyte* sp.)-- Shiino, 1958, p.62 (Miwasaki, Wakayama Pref.; Enoshima, Kanagawa Pref.; Host: branchial cavity of *Spirontocaris geniculatus* (Stimpson))-- 椎野, 1972, p.8, no. 61 (白浜・和歌山県三輪崎・江ノ島・三重県菅島; Host: *Hippolyte* sp.の鰓室 & *Spirontocaris geniculatus*).

・*Bopyrina*はMarkham (1985) より, *B. ocellatus*, *B. abbreviata*, *B. gigas*, *B. sewelli*, *B. choprae*, *B. pleurocephala* のみを含めることになり, 他の種は*Schizobopyrina*などの属へ移された旨が記されている。しかし, “*Bopyrina giardi* Bonnier” に関する言及はない。以前に他の種のシノニムにされたと考えられるが, 今のところ詳細は不明である。一著者

Bopyrinae sp.

Bopyrina sp.尾美・水島, 1984, p.250, fig.2.7-10. (北海道東部海域, Hosts: *Spirontocaris ochotensis*オホーツクトゲモエビ, *Eualus leptognathus*ヤマトモエビ, *Heptacarpus geniculatus*コシマガリモエビ).

Subfamily Ioninae

***Allokepon goetici* (Shiino, 1934) ヒライソガニエラムシ**

Portunicepon goetici Shiino, 1934, p.274, fig. 8 (Shirahama, Seto, Wakayama Pref.; Host: branchial cavity of *Goetice depressus* De Haan)-- Shiino, 1939a, p.97, fig. 13 (Amami-oshima, Japan; Host: *Goetice depressus* De Haan; and also; Sioiri, Tomioka Bay, Amakusa, Kyushu; Host: *Macrophthalmus japonicus* De Haan)-- Shiino, 1958, p.64, fig. 18 (Sugashima and Matoya, Mie Pref.; Host: branchial cavity of *Goetice depressus* (De Haan)).

-- 椎野 [原動大], 1961, p.126, pl.63, no.1 (ヒライソガニの鰓室内に寄生)-- 椎野, 1972, p.8, no. 66 (和歌山県白浜・三重県菅島・三重県の矢・奄美大島・天草富岡, Hosts: *Goetice depressus*の鰓室 & *Macrophthalmus japonicus*).

Megacepon goetici, Bourdon & Stock, 1979, p.217 [Systematic position].

Allokepon goetici, Markham, 1982, p.359, fig. 20 (Hong Kong; Host: *Goetice depressus* (De Haan)).

***Apocepon pulcher* Nierstrasz & Brender a Brandis, 1930 マメコブシヤドリムシ**

*Nierstrasz & Brender a Brandis, 1930, p.7, figs. 17-22.-- Shiino, 1934, p.273, fig. 7 (Tomioka, Kanazawa-cho, Kanagawa Pref.; Host: branchial cavity of *Philyra pisum* De Haan)-- Shiino, 1936b, p.170 (Shimoda; Host: *Philyra pisum*)-- Shiino, 1936c, p.185 (Koajiro, Misaki; Host: *Philyra pisum* De Haan)-- Shiino, 1939a, p.98 (Sioiri, Tomioka Bay, Amakusa, Kyushu; Host: *Philyra pisum* De Haan)-- Shiino, 1958, p.68 (Tomioka, Amakusa; Host: branchial cavity of *Philyra pisum* De Haan)-- 椎野 [旧日動], 1957, p.820, fig. 2362 (本邦中南部太平洋岸に普通なり。Host: *Philyra pisum* De Haan マメコブシガニの鰓室に寄生)-- 椎野 [新日動], 1965, p. 552, no. 761 (本邦中南部汀線帯に普通。Host: *Philyra pisum* マメコブシガニ)-- 椎野, 1972, p.8, no. 65 (下田・三

崎・神奈川県富岡・天草; Host: *Philyra pisum*の鰓室).-- 三井, 1943, p.104 (広島県尾道市付近の山波及び広島市江波; Host: *Philyra pisum* De Haan マメコブシガニ, 平均寄生率11.2%).-- Kim & Kwon, 1988b, p.207, fig. 5 (Korea; Host: *Philyra pism* de Haan, 1841).

? Epicarida, 大島, 1930, p.30, figs. 1-2 (熊本県天草巴湾の干潟; Host: ? *Philyra pisum* De Haan マメコブシガニの所謂別鰓区と中鰓区の全部から後鰓部の一部).-- 庄司, 1930, p.329 (天草; Host: マメコブシガニ *Philyra pisum* De Haan).

***Epicepon japonicum* Nierstrasz & Brender a Brandis, 1931**

*Nierstrasz & Brender a Brandis, 1931, p.188, figs. 71-73.-- Shiino, 1936b, p.168, fig. 3 (Shimoda; Host: *Tymolus japonicus* Stimpson).-- 椎野, 1972, p.9, no. 72 (下田・三崎; Host: *Tymolus japonicus*鰓室 & *Tymolus* sp.).

***Grapsicepon magnum* Shiino, 1936**

Shiino, 1936a, p.167, fig. 5 (Seto, Wakayama Pref.; Host: branchial cavity of *Schizophrys aspera* Stimpson).-- 椎野, 1972, p.9, no. 69 (和歌山県白浜; Host: *Schizophrys aspera*の鰓室).

***Grapsicepon rotundum* Shiino, 1936**

Shiino, 1936, p.169, fig. 6 (Ezura, Seto, Wakayama Pref.; Host: branchial cavity of *Leptodius exaratus* (Milne-Edwards)).-- 椎野, 1972, p.9, no. 70 (和歌山県白浜; Host: *Leptodius exaratus*の鰓室).

***Heterocephon marginatum* Shiino, 1936**

Shiino, 1936b, p.165, fig. 2 (Shimoda; Host: branchial cavity of *Pinnotheres parvulus* Stimpson).-- Shiino, 1936c, p.185 (Misaki; Host: *Pinnotheres parvulus* Stimpson).-- 森田, 1940a, p.1024, figs. 1-5 (有明海産 *Mactra verniformis* Reeveシホフキガヒに寄生する *Pinnotheres* sp. カクレガニより).-- 森田, 1940b, p.56, figs. 2-3 (福岡県柳町沖オホダンノ州産 *Mactra verniformis* Reeveシホフキ貝に寄生する *Pinnotheres* sp. カクレガニより).-- 椎野, 1972, p.9, no. 71 (三崎・下田・有明湾柳川; Host: *Petrolisthes parvulus*の鰓室: この論文でのホストの記録は間違いと思われる—著者).

***Ione cornuta* Spence Bate, 1864**

*Spence Bate, 1864, p.668.-- *Bate & Westwood, 1868, p.253.-- *Richardson, 1899, p.869.-- Richardson, 1904, p.75 (Esquimault Harbour, British Columbia; Host: *Callianassa longimana*).-- Richardson, 1905, p.504.-- Shiino, 1939b, p.13, figs. 2-3 (Sakata-hama, Seto, Wakayama Pref.; Host: branchial cavity of *Callianassa subterranea* var. *japonica* Ortmann).-- 椎野, 1972, p.8, no. 64 (白浜; Host: *Callianassa japonica*の鰓室).-- Kim & Kwon, 1988b, p.205, fig. 4 (Korea; Host: *Callianassa japonica*).

***Megacepon choprai* George, 1946**

*George, 1946, p.385, figs. 1-3 (India; Host: *Sesarma tetragonum* (Fabricius)).-- Shiino, 1958, p.66, figs. 20-21 (River Asahi, Okayama; Host: branchial cavity of *Sesarma* (*Holometopus*) *dehaani* Milne-Edwards).-- 椎野, 1972, p.9, no. 76 (岡山市旭川; Host: *Sesarma* (*Holometopus*) *dehaani*の鰓室).-- Markham, 1990, p.560 (Hong Kong; Host: *Sesarma* (*Chiromanthes*) *maipoensis* Soh).-- 稲葉, 1988, p.135 (岡山市旭川; Host: gill pouch of *Chiromantes dehaani*クロベンケイガニ).

***Merocephon xanthi* Richardson, 1910**

*Richardson, 1910, p.34, fig. 31.-- Shiino, 1936a, p.166, fig. 4 (Shirahama & Yuzaki, Seto, Wakayama Pref., Hosts: *Actaea* sp., *Chlorodopsis pilmnoides* (Whit) & *Xanthias elegans* (Stimpson)).-- 椎野, 1972, p.9, no. 68 (和歌山県白浜; Hosts: *Actaea* sp., *Chlorodopsis pilmnoides* & *Xanthias elegans*の鰓室).

***Mesocephon tosizimensis* Shiino, 1951**

Shiino, 1951, p.36, figs. 7-8 (Tosi, Toshizima Island, Mie Pref.; Host: branchial cavity of *Arcania undecimspinosa* De Haan).-- 椎野, 1972, p.9, no. 73 (三重県塔志; Host: *Arcania undecimspinosa*鰓室).

***Onychocephon resupinum* Shiino, 1936**

Shiino, 1936a, p.163, fig. 3 (Seto, Kii Peninsula; Host: *Pinnotheres purpureus* Alcock).-- 椎野, 1972, p.9, no. 75 (和歌山県白浜; Host: *Pinnotheres purpureus*の鰓室).

***Portunicepon tiariniae* Shiino, 1937**

Shiino, 1937a, p.486, figs. 6-8 (Seto, Wakayama Pref.; Host: *Tiarinia cornigera* (Milne-Edwards)).-- Shiino,

1958, p.65, fig. 19 (Seto, Wakayama Pref.; Host: branchial cavity of *Menaethius monoceros* Latreille).-- 椎野, 1972, p.9, no. 67 (和歌山県白浜, Hosts: *Tiarinia cornigera*の鰓室 & *Menaethius monoceros*).

***Procepon insolitum* Shiino, 1937**

Shiino, 1937a, p.484, figs. 3-5 (Hatakeshima, Tanabe Bay, Wakayama Pref.; Host: branchial cavity of *Gebia major* De Haan).-- Shiino, 1958, p.49, fig. 11, pl. 3:5 (Sugashima, Mie Pref.; Host: branchial cavity of *Upogebia issaeffi* Balss).-- 椎野, 1972, p.8, no. 33 (和歌山県田辺湾・三重県菅島, Hosts: *Gebia major*の鰓室 & *Upogebia issaeffi*).

***Scyracepon quadrihamatum* Shiino, 1936**

Shiino, 1936b, p.171, fig. a (Shimoda; Host: *Maja japonica* Rathbun).-- 椎野, 1972, p.9, no. 77 (下田; Host: *Maja japonica*の鰓室).

***Tylocepon micippae* Shiino, 1950**

Shiino, 1950a, p.164, fig. 6 (Seto, Wakayama Pref.; Host: branchial cavity of *Micippa philyra* De Haan).-- 椎野, 1972, p.9, no. 74 (和歌山県白浜; Host: *Micippa philyra*の鰓室).

Subfamily Orbioninae

***Orbione aristei* Shiino, 1949**

Shiino, 1949b, p.51, fig. 1 (Heda, Izu, 150 fathoms deep; Host: branchial cavity of *Aristeus virilis* (Bate)).-- 椎野, 1972, p.8, no. 39 (伊豆戸田; Host: *Aristeus virilis*の鰓室).

***Orbione halipori* Nierstrasz & Brender a Brandis, 1923**

Orbione halipori *Nierstrasz & Brender a Brandis, 1923, p.64, pl. 1, fig. 2. (Indonesia; Host: *Halipori sibogae* de Man).-- Shiino, 1958, p.53, fig. 14 (off Owase, Mie Pref.; Host: branchial cavity of *Parahaliporus sibogae* (De Man)).-- 椎野, 1972, p.8, no. 37 (尾鷲沖; Host: *Parahaliporus sibogae*の鰓室).-- Markham, 1982, p.362, figs. 21, 22 (Hong Kong; Host: *Metapenaeus ensis* (Fabricius): complete synonymy, here in).

Orbione halipori var. *libera* *Nierstrasz & Brender a Brandis, 1931, p.155, pl. 1, fig. 1.-- Shiino, 1934, p.258, fig.1 (Tanabe Bay, Wakayama Pref.; Host: branchial cavity of *Solenocera distincta* (De Haan), from 20-30m deep).-- 椎野, 1972, p.8, no. 38 (田辺湾; Host: *Solenocera distincta*の鰓室).

***Orbione izuensis* Shiino, 1949**

Shiino, 1949b, p.53, fig. 2 (off Heda, Izu, 600m deep; Host: branchial cavity of *Aristeomorpha rostridentata* (Bate)).-- 椎野, 1972, p.8, no. 40 (伊豆戸田; Host: *Aristeomorpha rostridentata*の鰓室).

***Parapenaeon consolidata* Richardson, 1904**

Richardson, 1904, p.43, figs. 17-20 (Mogi, Japan; Host: *Parapenaeus dalei* Rathbun).-- *Nobili, 1906, p.1098.-- Richardson, 1909, p.122 (Tsuruga; Kagoshima Gulf at Chirin jima (lat. 31° 23'10"N, long. 130° 39'10"E; on shore, or 118 fathoms deep; Host: branchial cavity of penaeid).-- Thielemann, 1910, p.79 (Moji; Host: *Parapenaeus Dalei* Rathbun).-- 椎野, 1972, p.8, no. 35 (茂木・鹿児島湾; Host: *Parapenaeus dalei*の鰓室 & A Penaeid).

***Parapenaeon consolidata richardsonae* Shiino, 1933 アカエビヤドリムシ**

Shiino, 1933, p.230, fig. 1 (Tanabe Bay, Wakayama Pref.; Host: branchial cavity of *Penaeopsis akayebi* Rathbun, from 20-30m deep).-- Shiino, 1939a, p.80.-- Shiino, 1958, p.51, pl. 3:6 (Toshi Island & off Owase, Mie Pref.; Host: branchial cavity of *Metapenaeopsis acclivis* (Rathbun)).-- 岩佐 [新日動], 1957, p.819, fig. 2360 (本邦中南部沿岸に普通, Host: *Metapenaeopsus barbatus* (De Haan) アカエビ及び其の近縁種の鰓室に寄生).-- Kikuchi, 1968, 8, p.178, no. 233 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt; Host: *Metapenaeopsis barbata*).-- 椎野 [新日動], 1965, p.551, no. 757 (わが国中南部沿岸に普通, Host: *Penaeopsis akayebi* アカエビ).-- 椎野, 1972, p.8, no. 36 (田辺湾・三河湾・福岡県豊崎・三重県塔志島・尾鷲, Host: *Metapenaeopsis barbata*の鰓室 & *M. acclivis*).-- 西村 [学水動], 1981, pp.97 & 188 (本州中部以南, アカエビの鰓室内に後ろ向に鉤着).-- 稲葉, 1988, p.135 (大阪湾; Host: *Metapenaeopsus barbatus* (De Haan) アカエビ).

Parapenaemon japonica (Thielemann, 1910)

[Synonymy restricted; see Markham (1982) for complete synonymy].

Epipenaemon japonica Thielemann, 1910, p.79, figs. 86-87, tafelfig. 31 (Okayama; Host: "*Penaeus* sp.")-- Hiraiwa, 1933, p.49, text-figs. 1-23. (Hiroshima Bay; Host: branchial cavity of *Penaeopsis akayebi* Rathbun)-- Hiraiwa, 1934, p.45, text-figs. 1-14 (Hiroshima Bay; Host: branchial cavity of *Penaeopsis akayebi* Rathbun)-- Hiraiwa, 1936, p.101, figs. 2-8, pls. 1-7 (Hiroshima Bay; Host: branchial cavity of *Penaeopsis akayebi* Rathbun).

Apopenaemon japonicum, Shiino, 1934, p.260, fig. 2 (Tanabe Bay, Wakayama Pref., common; Host: branchial cavity of *Penaeopsis akayebi* Rathbun)-- Shiino, 1939a, p.80-- Shiino, 1950a, p.151, fig. 1 (Kutino, Izu; host unknown)-- 椎野, 1972, p.8, no. 41 (伊豆口野・和歌山; Host: A penaeid).

Epipenaemon japonicus, Hiraiwa & Sato, 1939, p.105 (Hiroshima Bay; Host: *Penaeopsis akayebi* Rathbun, parasitic ratio 70%).

Apopenaemon japonicum var. *hiraiwai* Shiino, 1950a, p.154 (Kutino, Izu, rather common; Host: *Penaeopsis akayebi* Rathbun)-- Shiino, 1958, p.51, fig. 13, pl. 3, fig 7 (off Owase, Owase Bay, Aritaki, Momotori, Tsu, off Toshi Island (Mie Pref.), Osaka Bay; Host: *Metapenaepsis acclivis* (Rathbun))-- 椎野, 1972, p.8, no. 42 (広島湾・三重県桃取・尾鷲湾・田辺湾・福岡県豊崎・三重県有滝・津・塔志・伊勢湾; Hosts: *Metapenaepsis barbatus*の鰓室 & *M. acclivis*)-- 稲葉, 1989, p.135 (大阪湾; 広島湾; Hosts: gill pouch of *M. barbata* & *M. acclivis*).

Parapenaemon japonicum, Bourdon, 1979, p.480, figs. 6-7 (Madagascar; Host: *Metapenaepsis monoceros* (Fabricus)).

Parapenaemon japonica, Markham, 1982, pp.366-369, 3851 figs. 23, 24 (Hong Kong; Host: *Penaeus japonicus* Bate). -- Markham, 1985b, p.50 (Thailand; Host: *Trachypenaepsis fulvus* Dall).

Parapenaemon takii (Shiino, 1950)

Apopenaemon takii Shiino, 1950a, p.155, fig. 2 (unknown locality from Japan Sea; host unknown)-- 椎野, 1972, p.8, no. 43 (日本海; host 不明).

Parapenaemon takii, Bourdon, 1979, p.488 [Mention].

Parapenaemonella distincta Shiino, 1949

Shiino, 1949c, p.59, fig. 1 (purchased at Choshi Fish Market; Host: branchial cavity of *Trachypenaepsis curvirostris* Stimpson)-- Shiino, 1958, p.50, fig. 12 (Aritaki; Tsu & Momotori, Mie Pref.; Host: branchial cavity of *Trachypenaepsis curvirostris*)-- 椎野, 1972, p.8, no. 34 (千葉県銚子・三重県桃取; Host: *Trachypenaepsis curvirostris* の鰓室)-- Kim & Kwon, 1988b, p.210, fig. 7 (Korea; Host: *Trachypenaepsis curvirostris* (Stimpson, 1860)).

Orbioninae sp.

Pleurocrypta (?) sp.石井, 1916, p.642 (九州天草; Host: クルマエビ…ホストの記録からOrbioninaeに属すると考えられる。*Pleurocrypta*ではない。－著者)。

Subfamily Athelginae

Athelges takanoshimensis Ishii, 1914 ヤドカリノハラヤドリ

Athelges takanoshimensis Ishii, 1914, p.519, pl. 7 (Takanoshima, near the entrance to gulf of Tokyo; Host: *Eupagurus samuelis* Stimp., head directed backwards in relation to the host body)-- Shiino, 1934, p.277, fig. 9 (Seto, Kii Peninsula; generally found on the abdomen of *Eupagurus samuelis* Stimpson, and frequently on the same part of *Eupagurus japonicus* Stimpson)-- Shiino, 1936c, p.186 (Koajiro, Misaki, *Eupagurus samuelis* Stimpson)-- Shiino, 1937c, p.299 (Hokkaido; Host: *Eupagurus pectinatus* Stimpson)-- Shiino, 1939a, p.98 (Kasii, Fukuoka Pref., Kyushu; Host: *Eupagurus* sp.)-- Shiino, 1958, p.68, pl. 3, fig. 10 (Kasaoka, Okayama Pref., Inland Sea; Kominato, Chiba Pref., Tokyo Bay; Hosts: dorsal surface of abdomen of *Eupagurus samuelis* Stimpson & *E. japonicus* Stimpson)-- 椎野 [旧日動], 1957, p.820, fig. 2363 (北海道より九州にわたりて普通なり。Host: *Eupagurus*属の寄居虫数種の腹部背面に寄生す)-- 椎野 [新日動], 1965, p.553, no.762 (北海道より九州にわたり沿岸に普通。Hosts: *Eupagurus japonicus* ヤマトヤドカリ, *E. samuelis* ホンヤドカリの腹部背面に寄生)-- 椎野, 1972, p.9, no. 79 (千葉県高島・和歌山県白浜・岡山県笠岡・小湊・三崎・北海道・福岡県香椎; Hosts: *Eupagurus*

*samuelis*腹部上面, *E. japonicus*, *E. pectinatus* & *Eupagurus* sp.)-- Kikuchi, 1968, p.178, no. 234 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt; Host: *Pagurus dubius*).-- 西村 [学水動], 1981, pp.97 & 323 (日本各地. ホンヤドカリやヤマトホンヤドカリの腹部に鉤着).-- Markham, 1982, p.373, fig. 27 (Hong Kong; Hosts: *Diogenes edwardsii* (de Haan), *Pagurus* aff. *geminatus* McLaughlin).-- Kim & Kwon, 1988b, p.215 (Korea; Hosts: *Pargus brachimastus* (Thallwitz, 1891), *Pgurus geminus* McLaughlin, 1976, *Pargus middendorffi* Brandt, 1851, *Pargus dubius* (Ortmann, 1892) & *Pargus pectinatus* (Stimpson, 1858)).-- 稲葉, 1988, p.135 (笠岡湾, 向島; Host: *Pagurus*ホンヤドカリ類).

Athelgathes[sic.] *takanoshimensis*, 布村 [検日海], 1995, p.227, fig. 21-203B (北海道から九州までの日本各地. ホンヤドカリやヤマトホンヤドカリの腹部背面).

Athelges takanoshimensis var. *tenuibranchiatus* Shiino, 1936c, p.187, fig. 6 (off Misaki, 80 fathom deep; Host: *Eupagurus triserratus* (?)).-- 椎野, 1972, p.9, no. 80 (三崎沖; *Eupagurus triserratus* (?)腹部上面).

Athelges japonicus Shiino, 1958, p.69, fig. 22 (Akkeshi, near Kushiro, Pacific coast of Hokkaido; Tokyo Bay; Oshoro, near Otaru, west coast of Hokkaido, Japan Sea; Hosts: on upper surface of abdomen of *Eupagurus constans* Stimpson, *Pagurus languinosus* De Haan & *P. middendorffii* Brandt).-- 椎野, 1972, p.9, no. 81 (東京湾・北海道忍路・厚岸; Hosts: *Eupagurus constans*腹部上面, *Pagurus languinosus* & *P. middendorffii*).

***Parathelges enoshimensis* Shiino, 1950**

Shiino, 1950a, p.162, fig. 5 (Enosima, Kanagawa Pref.; Host: upper surface of the abdomen of *Eupagurus* sp.)-- 椎野, 1972, p.9, no. 78 (江ノ島; Host: *Eupagurus* sp. 腹部上面).-- Kim & Kwon, 1988a, p.213, fig. 8 (Cheju I, Korea, Hosts: *Pargus dubius* (Ortmann, 1892) & *Pgurus geminus* McLaughlin, 1976).-- Kim & Kwon, 1988b, p. 215 (Korea, Hosts: *Pargus dubius* (Ortmann, 1892) & *Pgurus geminus* McLaughlin, 1976).

***Pseudostegias hapalogasteri* Shiino, 1950**

Shiino, 1950a, p.159, fig. 4 (Sugashima, Mie Pref.; Host: ventral side of abdomen of *Hapalogaster dentata* (De Haan)).-- 椎野, 1972, p.9, no. 83 (三重県菅島; Host: *Hapalogaster dentata*腹部腹面と背甲腹面の間).

***Pseudostegias setoensis* Shiino, 1933**

Shiino, 1933, p.290, fig. 16 (Seto, Kii Peninsula, frequently found; Host: hermit-crab, *Clibanarius bimaculatus*, parasite clings by the dorsal side to the upper surface of the abdomen).-- Shiino, 1958, p.68 (Seto Wakayama Pref.; Host: branchial cavity of *Clibanarius bimaculatus* De Haan).-- 椎野, 1972, p.9, no. 82 (和歌山県白浜; Host: *Clibanarius bimaculatus*腹部上面).

Subfamily Hemiarthrinae

***Anisarthrus* sp.**

Nakashima, 1995, p.12 (rocky shore near the Seto Marine Biological Laboratory, Shirahama, Wakayama Pref.; Host: *Athanas kominatoensis* Kubo; cryptoniscium larvae settled between the base of the antennae and the eye stalks, adult moved between the left & right pleopods).

***Anomophryxus deformatus* Shiino, 1937**

Shiino, 1937a, p.489, figs. 9-10 (Tanabe Bay, Wakayama Pref., 20-30m deep, very common; Host: *Plesionika ortmanni* Doflein).-- 椎野, 1972, p.9, no. 90 (田辺湾; Host: *Plesionika ortmanni*腹部下面).

***Cataphryxus primus* (Shiino, 1934)**

Epiphryxus primus Shiino, 1934, p.281, fig. 11 (Yusaki, Seto, Kii Peninsula; Host: abdomen of *Hippolysmata* sp.).

Cataphryxus primus, Shiino, 1936a, p.172.-- 椎野, 1972, p.9, no. 86 (和歌山県白浜; Host: *Hippolysmata* sp.).

***Diplophryxus alpei* Shiino, 1934 テッポウエビノハラムシ**

Shiino, 1934, p.278, fig. 10 (Yusaki, Seto, Kii Peninsula; Host: abdomen of *Alpheus* sp.(Edwardsi-type)).-- 椎野 [原動大], 1961, p.126, pl.63, no.3 (テッポウエビ腹部下面に付着寄生).-- 椎野, 1972, p.9, no. 85 (和歌山県白浜; Host: *Alpheus* sp. 腹部下面).

***Diplophryxus jordani* Richardson, 1904** イソスジエビノハラヤドリ

Diplophryxus jordani Richardson, 1904, p.50. figs. 26-28 (Misaki, Sagami, Japan; Host: *Palaemon serrifer* (Stimpson)).-- Chorpa, 1923, p.443.-- *Chorpa, 1930, p.113.-- Shiino, 1933, p.293, fig. 17 (Seto, Kii Peninsula, usually found; Hosts: *Lander serrifer* Stimpson & *L. pacificus* Stimpson).-- Yoshida, 1952, p.362 (Misaki Mar. Biol. Stat.; Host: *Leander serrifer*).-- Shiino, 1958, p.71 (Misaki, Sagami Bay; Wakura, Noto Peninsula, Japan Sea; Seto, Wakayama Pref.; Hosts: *Lander serrifer* Stimpson & *L. pacificus* Stimpson).-- 椎野 [旧日動], 1957, p.821, fig. 2364 (本邦中南部太平洋岸に産す。Host: *Lander serrifer* Stimpson スジエビモドキ及びその近縁種の腹部下面に寄生す)。-- 椎野 [新日動], 1965, p.553, no. 763 (わが国中南部沿岸に普通。Hosts: *Leander serrifer* スジエビモドキ, *L. pacificus* イソスジエビの腹部覆面に寄生)。-- 椎野, 1972, p.9, no. 84 (白浜・三崎・能登半島輪倉; Hosts: *Leander serrifer* 腹部下面 & *L. pacificus*).

Diplophryxus Jordani, Thielemann, 1910, p.78 (Misaki, Sagamibai).

***Eophrinxus shojii* Shiino, 1941**

Eophrinxus shojii Shiino, 1941, p.155, figs. 1-2 (Tomioka Bay, Amakusa, Kumamoto Pref.; Host: underside of the abdomen of *Alpheus japonicus* Ortmann).-- Shiino, 1958, p.71 (Momotori, Mie Pref., Ise Bay; Host: on the under surface of abdomen of *Crangon rapax* (De Haan)).-- Markham, 1982, p.375, figs. 28-29 (Hong Kong; Host: *Alpheus lobidens* de Haan).-- Kim & Kwon, 1988b, p.218, fig. 11 (Korea; Host: *Alpheus japonicus* Miers, 1879).

Eophrinxus[sic]. *shojii*, 椎野, 1972, p.9, no. 89 (富岡湾・三重県桃取; Hosts: *Alpheus japonicus* 腹部下面 & *Crangon rapax*).

***Hemiarthrus* sp.**

Nakashima, 1995, p.12 (rocky shore near the Seto Marine Biological Laboratory, Shirahama, Wakayama Pref.; Host: *Athanas kominatoensis* Kubo; cryptoniscium larvae settled primarily at the joints of terga & sometimes under the carapace; adult moved between the left and right pleopods).

***Hypophryxus kuboii* Shiino, 1939**

Shiino, 1939c, p.17, figs. 1-2 (Shimokamogari-mura, Province Aki, the Inland-Sea; Host: *Periclimenes (Ancylocaris) akiensis* Kubo).-- 椎野, 1972, p.9, no. 88 (安芸下加茂狩; Host: *Periclimenes (Ancylocaris) akiensis* 腹部下面).

***Hypophryxus yusakiensis* Shiino, 1934**

Shiino, 1934, p.284, fig. 12 (Yusaki, Seto, Kii Peninsula; Host: abdomen of *Alpheus* sp.(Edwardsi-type)).-- 椎野, 1972, p.9, no. 87 (和歌山県白浜; Host: *Alpheus* sp. 腹部下面).

***Phryxus abdominalis* (Kroyer, 1840)**

Bopyrus abdominalis *Kroyer, 1840, pp.102, 289, pls. 1 & 2.-- *Kroyer, 1842, p.263.-- *Kroyer, 1849, p.pl. 29, fig. 1.

Phryxus abdominalis, *Lilljeborg, 1852, p.11.-- *Steenstrup & Lutken, 1861, p.275(9).-- *Bate & Westwood, 1868, p.234.-- *Norman, 1869, p.288.-- *Norman, 1879, p.209.-- *Miers, 1877, p.65(15).-- *Smith in Harger, 1879, p.158.-- *Harger, 1880, pt. 6, p.312.-- *Hansen, 1887-88, p.196.-- *Axel Ohlin, 1895, p.18.-- *Axel Ohlin, 1901, p.38.-- *Sars, 1899, p.215, pl. 90-91.-- *Richardson, 1901, p.577.-- Richardson, 1904, p.58.-- *Richardson, 1905, p.220.-- Richardson, 1905, p.500, figs. 550-552.-- Richardson, 1909, p.121 (Hakodate to Ebisu, Sado I., the Sea of Japan, at north point of Sado I. (lat. 38° 32'N, long. 138° 43'E), 429 fathoms deep; Otaru, Hokkaido to Korsakov, Aniwa Bay, Saghalin I., at Bomasiri shima (lat. 45° 24'N, long. 140° 49'10"E), 325 fathoms deep; Matsu shima, the Sea of Japan, to Nagasaki (lat. 36° 08'N, long. 129° 49'E), 335 fathoms deep; off eastern coast Saghalin I., vicinity of Cope Patinence, in Okhotsk Sea (lat. 48° 32'45"N, long. 145° 07'30"E) & (lat. 48° 32'30"N, long. 145° 08'45"E) 73 fathoms deep; south coast of Hokkaido (lat. 42° 11'10"N, long. 142° 12'E), 359 fathoms deep; Host: *Spirontocaris* sp.(?).-- Gurjanova, 1936b, p.218, fig. 138 (Okhotsk Sea, 5-600m deep & the Sea of Japan, many locality, 100-800m deep; Host: *Spirontocaris* sp.).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 5-80m deep).

***Phryxus* sp. Rhicardson, 1904**

Richardson, 1904, p.45, figs. 21, 22 (Omai Zaki, Japan; host unknown).-- Thielemann, 1910, p.78 (Omai Zaki).

Family Dajidae : アミヤドリムシ科

***Holophryxus fusiformis* Shiino, 1937**

Shiino, 1937b, p.188, figs. 1-2 (Kambara, Shizuoka Pref.; Host: dorsal side of the carapace of *Sergestes prehensilis* Sp. Bate, many specimen were parasitized).-- 椎野, 1972, p.9, no. 101 (静岡県蒲原; Host: *Sergestes prehensilis*背甲背面).

***Prodajus bilobatus* Shiino, 1943 コマセアミヤドリムシ**

Shiino, 1943, p.115, fig. 1 (around the Misaki Marine Biological Laboratory, Misaki, Kanagawa Pref.; Host: *Anisomysis ijimai* Nakazawa, very common).-- 椎野 [新日動], 1965, p.551, no.756 (相模湾産. Host: *Anisomysis ijimai*コマセアミ).-- 椎野, 1972, p.9, no. 102 (三崎; Host: *Anisomysis ijimai*背甲腹面).

Family Entoniscidae : カニヤドリムシ科

***Cancrion deltoides* Shiino, 1942**

Shiino, 1942b, p.60, figs. 6-7 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host: *Pilumnus vespertilio* Fabricius).-- 椎野, 1972, p.9, no. 97 (和歌山県白浜; Host: *Pilumnus vespertilio*の体腔).

***Entionella fluviatilis* Miyashita, 1941**

Entoniscid 宮下, 1933, p.288, fig. 3 (由良川産*Eriocheir japonicus*モクスガニ).

Entionella fluviatilis Miyashita, 1941, p.251, figs. 1-10, pl. 1 (Yuragawa River, at localities about 10-20km from the estuary; Host: *Eriocheir japonicus*, ratio of parasitism about 5%).-- Shiino, 1954, p.239 (Asahi River near Okayama City, at the point 8km up the estuary, the upper limit of the reach of sea-water at high tide; Hosts: *Eriocheir japonicus* De Haan, *Sesarma (Holometopus) haematocheir* (De Haan) & *Sesarma (Sesarma) intermedia* (De Haan)).-- 椎野, 1972, p.9, no. 93 (兵庫県由良川; Host: *Eriocheir japonicus*).-- 稲葉, 1988, p.135 (岡山市旭川, Host: *Eriocheir japonicus*モクスガニ).

***Entionella okayamaensis* Shiino, 1954**

Shiino, 1954, p.239, figs. 1-4 (Asahi River near Okayama City, at the point 8km up the estuary, the upper limit of the reach of sea-water at high tide; Hosts: *Sesarma (Holometopus) dehaani* M.-Edwards, ratio of parasitism 20%, *Sesarma (Holometopus) haematocheir* (De Haan) & *Sesarma (Sesarma) intermedia* (De Haan)).-- 椎野, 1972, p.9, no. 94 (岡山市旭川; Host: *Sesarma (Holometopus) dehaani*体腔).-- 稲葉, 1988, p.135 (岡山市旭川, Host: *Chirromantis dehaani*クロベンケイガニ).

***Entoniscoides okadai* Miyashita, 1940**

Miyashita, 1940, p.149, figs. 1-5, pl. 7 (Seto Mar. Biol. Lab., Shirahama, Wakayama Pref.; Host: brood-chamber of *Xantho truncata* de Haan).-- 椎野, 1972, p.9, no. 92 (和歌山県白浜; Host: *Xantho truncata*体腔).

***Entoniscus japonicus* Shiino, 1942 カニダマシヤドリムシ**

Shiino, 1942b, p.49, figs. 1-2 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host: *Petrolisthes japonicus* De Haan).-- 椎野 [旧日動], 1957, p.821, fig. 2366 (瀬戸に産す. Host: *Petrolisthes japonicus*イソカニダマシの体腔に寄生す).-- 椎野 [原動大], 1961, p.126, pl. 63, no. 5 (我国沿岸に普通. イソカニダマシ体腔内に寄生).-- 椎野 [新日動], 1965, p.553, no.764 (紀州沿岸. Host: *Petrolisthes japonicus*イソカニダマシの体腔).-- 椎野, 1972, p.9, no. 91 (和歌山県白浜; Host: *Petrolisthes japonicus*体腔).

***Micippion asymmetricus* Shiino, 1942**

Shiino, 1942b, p.72, figs. 14-15 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host: *Micippa philyra* (Herbst)).-- 椎野, 1972, p.9, no. 100 (和歌山県白浜; Host: *Micippa philyra*体腔).

***Pinnotherion setoensis* Shiino, 1942 モクスシヨイヤドリムシ**

Shiino, 1942b, p.58, fig. 5 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host:

Camposcia retusa Latreille, commonly).-- 椎野 [原動大], 1961, p.126, pl. 63, no. 4 (モクズシヨイの体腔内に宿主血球の凝結によって成る被膜に包まれて内部寄生).-- 椎野, 1972, p.9, no. 96 (和歌山県白浜; Host: *Camposcia retusa* 体腔).

***Portunium flavidus* Shiino, 1942**

Shiino, 1942b, p.54, figs. 3-4 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Hosts: *Pachygrapsus crassipes* Randall, very commonly & *Plagusia dentipes* De Haan, sometimes).-- 椎野, 1972, p.9, no. 95 (和歌山県白浜, Hosts: *Pachygrapsus crassipes*体腔 & *Plagusia dentipes*).

***Tiarinion fulvus* Shiino, 1942** イソクズガニヤドリムシ

Shiino, 1942b, p.68, figs. 11-13 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host: *Tiarinia cornigera* Latreille).-- 椎野 [旧日動], 1957, p.821, fig. 2365 (瀬戸に産す. Host: *Tiarinia cornigera* イソクズガニなる蟹の体腔に寄生す).-- 椎野 [新日動], 1965, p.553, no. 765 (紀州沿岸. Host: *Tiarinia cornigera* イソクズガニの体腔).-- 椎野, 1972, p.9, no. 99 (和歌山県白浜; Host: *Tiarinia cornigera*体腔).

***Xanthion spadix* Shiino, 1942**

Shiino, 1942b, p.64, figs. 8-10 (in the neighbourhood of Seto Marine Biological Laboratory, Wakayama Pref.; Host: *Xantho (Leptodius) exaratus* (Milne-Edwards)).-- 椎野, 1972, p.9, no. 98 (和歌山県白浜; Host: *Xantho (Leptodius) exaratus*体腔).

Tribe Cryptoniscina : カクレヤドリムシ族
Family Cryptoniscidae : クリプトニスクス科

***Danalia* sp. Shiino, 1952**

Danalia 3 Shiino, 1952, p.334, figs. 1A & 1E (Seto, Wakayama Pref.; Host: ventral skin of the first abdominal segment of *Petrolisthes japonicus*).-- 椎野, 1972, p.10, no. 104 (和歌山県白浜; Host: *Petrolisthes japonicus*腹部腹面に吻部を挿入).

***Danalia* sp. Shiino, 1952**

Danalia 2 Shiino, 1952, p.331, figs. 1B & 2 (Seto, Wakayama Pref.; Host: ventral surface of the abdomen of *Pugettia quadridens*).-- 椎野, 1972, p.10, no. 105 (和歌山県白浜; Host: *Pugettia quadridens*腹部腹面に吻部を挿入).

***Danalia* sp. Shiino, 1952**

Danalia 1 Shiino, 1952, p.330, figs. 1C & 1D (Seto, Wakayama Pref.; Host: *Sacculina imberbis* Shiino parasited on *Pachygrapsus crassipes* Randall).-- 椎野, 1972, p.10, no. 106 (和歌山県白浜; Host: *Pachygrapsus crassipes*に寄生する*Sacculina imberbis*の外套内に吻部を挿入して超寄生).

Family Cyproniscidae : キプロニスクス科

***Onisocryptus ovalis* Shiino, 1942** ウミホタルガクレ

Cyproniscus ovalis Shiino, 1942a, p.82, figs. 1-4 (neighbourhood the Misaki Marine Biological Laboratory, Misaki, Kanagawa Pref.; Host: *Cypridina hilgendorfi* G. O. Muller).-- 椎野 [新日動], 1965, p.551, no. 755 (相模湾産. Host: *Cypridina hilgendorfi*ウミホタル).-- 椎野, 1972, p.9, no. 103 (三崎; Host: *Cypridina hilgendorfi*背甲内, 体背側に寄生).

Onisocryptus ovalis, Vannier & Abe, 1993 [Mention].

Family Hemioniscidae : ヘミオニスクス科

***Hemioniscus balani japonica* Ogawa & Matsuzaki, 1985** フジツボヤドリムシ

Ogawa & Matsuzaki, 1985, p.43, figs. 1-2, pls 1-2 (Artificial breakwaters along the coast of Futaba country, Fukushima Pref.; Host: a barnacle, *Chthamalus challengerii*, parasitic percentage 0.5% (N = 7176)).

Tribe Unknown

Larval epicarid isopod

Uye & Murase, 1997, p.98, fig. 2 (Harima nada; Suo nada & Aki nada, Inland Sea; Host: *Calanus sinicus*).

Epicaridean parasite

Oguro, 1957, p.31 (locality unknown; Host: *Upogebia major*).

Suborder Valvifera : ヘラムシ亜目

Family Idoteidae : ヘラムシ科

***Cleantiella isopus* (Grube, 1883) イソヘラムシ (イソヨロイムシ)**

Cleantis isopus *Grube in Miers, 1883, p.80, pl. 3, figs. 9-11 (Ojica, Goto I. (lat. 33° 12'30"N, long. 129° 5'E)).-- Richardson, 1909, p.114 (Hakodate Bay; Mororan, on the shore).-- Thielemann, 1910, p.69 (Todohokke, Hokkaido; Onagawabucht).-- Gurjanova, 1936b 172, fig. 105 (Japan; the Sea of Japan, 2-4.5m deep).-- *Kussakin, 1956, p.114.

Cleantiella isopus, Richardson, 1909, p.114.-- *Nierstrasz, 1941, p.267.-- 内海 [原海動], 1956, p.54, pl.27, no.3 (北海道より九州までの本邦各地. 南方種. 潮間帯の石の下, 海藻の間).-- 岩佐 [旧日動], 1957, p.812, fig. 2338 (北海道・本州及び九州沿岸に普通なり).-- 岩佐, 1965, p.56 (朝鮮).-- 椎野 [原動大], 1961, p.125, pl.62, no.7 (北海道より九州に至る沿岸干満線の石の下・海藻の間).-- 椎野 [新日動], 1965, p.549, no.747 (北海道以南の沿岸に普通. 石の下, 海藻の間等にすむ).-- Nunomura, 1975, p.34 (Okawa; Tagurazaki; Kada; Jogasaki, all Wakayama City, Wakaya Pref.; Minami-tannowa; Tannowa; Nagasaki (Misaki-koen); Toyokunizaki, Misaki-cho, Osaka Pref.; Takinochaya, Tarumi, Kobe City, Hyogo Pref.).-- Nunomura, 1981a, p.45 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).-- Nunomura, 1985d, p.130 (Amaharashi, Oosakai, Kurosaki & Kinoura, all Toyama Bay).-- 布村, 1987, p.4 (大槌湾吉里, 弁天島, 潮間帯及び亜潮間帯の海藻上).-- Nunomura, 1991b, p.35 (Oshoro; Oshoro Bay; Port of Oshoro Bay, Otaru City; Utoro, Shari cho; Aikappu, Akkeshi cho; Funka Bay; Usujiri, Minamikayabe cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.218, pl. 81-15 (北海道以南各地の潮間帯の石の下, 海藻上などに極めて普通).-- Nunomura, 1997a, p.81 (Maejima, Okayama Pref.; Kyubrojima & Nakajima, Ehime Pref.).-- 布村 [日海ブ], 1997a, p.1119 (中央日本以南).-- Nunomura, 1999b, p.24 (Oofunado, Igaya; Tsubota, Chotaro Ike, Miyake I.; Kamanoshita-wan, Shikine I., Izu Is.).-- 布村, 1999b, p.32 (富山湾氷見海岸大境).-- Kussakin, 1974, p.241, fig. 13 (intertidal zone of Kurile Is.).-- Kussakin, 1982, p.101, figs. 73-74.-- 武田 [原甲検], 1982, p.237, no.710 (北海道から九州. 海藻の根元につく).-- Kwon, 1986, p.111, fig. 4 (Korea).-- Kim & Kwon, 1988a, p.210 (Cheju I, Korea).-- 稲葉, 1988, p.136 (瀬戸内海全域).

***Cleantiella strasseni* (Thielemann, 1910) オヒラキヘラムシ**

Cleantis Strasseni Thielemann, 1910, p.67, figs. 73-75 (Yokohama).-- *Nierstrasz, 1941, p.30.

Cleantiella strasseni, 岩佐 [旧日動], 1957, p.812, fig. 2339 (東京湾及び相模湾の浅海).-- 椎野 [新日動], 1965, p.549, no. 748 (東京湾および相模湾の浅海).-- Nunomura, 1975, p.34 (Kobe, Osaka, Wakayama).-- Nunomura, 1985d, p.130 (Kosakai, Toyama Bay).-- 布村, 1987, p.4 (大槌湾吉里, 弁天島).-- Nunomura, 1991b, p.35 (Cape Tachimachi misaki, Hakodate City, Hokkaido Pref.).-- 布村 [検日海], 1995, p.218, fig. 21-200L (本州各地の潮間帯から浅海).-- Nunomura, 1997a, p.82 (on *Sargassum* bed, Ryouzaki & Sumiyoshizaki, Oita Pref.).-- Nunomura, 1999b, p.24 (Tsubota, Chotaro Ike, Miyake I., Izu Is.).-- 布村, 1999b, p.33 (富山湾氷見海岸小境).-- Kussakin, 1982, p.103, fig. 75.-- 稲葉, 1988, p.136 (Kada & Tarumi, Kobe, Osaka Bay).

***Cleantiella* sp. Nunomura & Ikehara, 1985**

Nunomura & Ikehara, 1985, p.66, fig. 11 (off 9 km of Akadomari, Sado, lat. 38° 51.37'N, long. 138° 31.0'E, from floating weeds).

***Cleantioides japonica* (Richardson, 1912)**

Cleantis japonica *Richardson, 1912, p.27, fig. 1.-- *Nierstrasz, 1941, p.263, figs. 37-46.

Cleantioides japonica, Kwon, 1986, p.109, figs. 3A & B (Korea).

***Cleantioides planicauda* Benedict, 1899** ホソヘラムシ

Cleantis planicauda *Benedict, 1899, in Richardson, p.851.-- *Benedict, 1899, p.271.-- *Benedict, 1900, p.229.-- *Benedict, 1901, p.544.-- *Moore, 1902, p.174, pl. 11, figs. 1-6.-- Richardson, 1905, p.404, figs. 452-454 -- *Moore, 1902 -- Gurjanova, 1936b, p.170, fig. 107 (the Sea of Japan, 3-6m deep).-- 岩佐 [旧日動], 1957, p.812, fig. 2337 (本州の太平洋側及び日本海側に産す).-- 椎野 [新日動], 1965, p.549, no.746 (分布太平洋・大西洋. 本邦では本州太平洋岸・日本海岸に産する).-- Kikuchi, 1968, p.177, no. 227 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).-- Nunomura, 1975, p.34 (north coast of Tomogashima, Wakayama City, Wakayama Pref.).-- Nunomura, 1985d, p.129 (off Hamakurosaki & Amaharashi, Toyama Bay).-- 布村, 1987, p.4 (大槌湾根浜沖).

Cleantioides planicauda, 稲葉, 1988, p.136 (Tomogashima, Osaka Bay).-- 布村 [検日海], 1995, p.218, fig. 21-200 K (わが国各地の海岸の海藻上に普通).-- Nunomura, 1997a, p.82 (on *Sargassum* bed, Ryouzaki, Oita Pref.).-- 布村, 1999b, p.33 (富山湾氷見海岸島尾&阿尾).

Cleantioides[sic.] planicauda, Nunomura, 1991b, p.35 (Kikonai, Hokkaido Pref.).

***Euidotea ocellata* Nunomura, 1984** オオメヘラムシ

Euidotea ocellata Nunomura, 1984e, p.65, figs. 1-2 (off Mawaki, near Ushitsu, lat. 37° 10.50'N, long. 137° 10.30' E, 5m deep, 50m off shore).-- Nunomura, 1985d, p.124 (off Mawaki, Toyama Bay).-- Nunomura & Ikehara, 1985, p.65, fig. 10 (the Sea of Japan).-- 布村 [検日海], 1995, p.218, fig. 21-200I (能登半島沿岸5m深の海底).

Euidotea oceiata [sic.], Nunomura, 1997a, p.79, fig. 1 (in *Eisenia* bed, Misaki-cho, Ehime Pref.).

***Idotea (Idotea) aleutica* Gurjanova, 1933**

Idotea ochotensis *Brandt, 1851 (part).-- *Miers, 1883, p.32 (part).-- *Richardson, 1899, p.248, fig. 26.-- *Richardson, 1900, p.732, figs. 2, 3a, 4a, 5b, 6b (non Brandt).-- *Richardson, 1904, p.33 (non Brandt).-- *Richardson, 1904, p.219.-- *Richardson, 1905, p.336, fig. 396.-- Richardson, 1909, p.107 (Miline Bay, Simushir I., Kurile Is., shore).-- *Boone, 1920, p.24D-25D.-- *Uéno, 1936, p.241.-- *Hach, 1947, p.219, figs. 95-96.-- *Schultz, 1969, p.77, fig. 95.

Idotea aleutica *Gurjanova, 1933, p.91, figs. 9-10.-- Gurjanova, 1936b, p.137, fig. 78 (Okhotsk Sea).-- Kussakin, 1974, p.244, fig. 16 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-50m deep).-- Kussakin, 1982, p.149, figs. 109-110.

Idotea ochotensis aleutica *Kussakin, 1955, p.226, figs. 2-3(1-2).

***Idotea (Idotea) gurjanova* Kussakin, 1974**

Idotea ochotensis *Gurjanova, 1936a, p.140 (part).

Idotea gurjanova Kussakin, 1974, p.245, fig. 17 (intertidal zone of Kuril Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-20m deep).-- Kussakin, 1982, p.158, figs. 115-116 (the Sea of Japan).

***Idotea (Idotea) metallica* Bosc, 1802** ナガレモヘラムシ

Idotea metallica *Bosc, 1802, p.179, pl. 15, fig. 6.-- *Latreille, 1803, 373.-- *Miers, 1883, p.35.-- *Hansen, 1887-88, p.10.-- Thielemann, 1910, p.63.-- *Hansen, 1916.-- *Dollfus, 1895.-- *Richardson, 1901, p.541.-- Richardson, 1909, p.107 (Nagasaki to Kagoshima, Kagoshima Gulf, at Nomo zaki (lat. 32° 33'30"N, long. 129° 32'E); Saigo, Dogo I., Oki group, to Matsu shima, the Sea of Japan (lat. 36° 46'N, long. 132° 15'E); Shioya saki light; surface or 800-846 fathoms deep, in green mud & globigerina).-- *Barnard, 1914, p.203.-- *Vanhoffen, 1914, p.527.-- *Callinge, 1917, p.746, pl. 8, fig. 81-91.-- *Gurjanova, 1932, p.93, pl. 35 144-- Gurjanova, 1936b, p.134, fig. 75 (the Sea of Japan, 0-1600m deep).-- *Nordenstam, 1933, p.94.-- *Nierstrasz, 1941, p.272.-- *A. Carausu, 1955, p.142, pl. 9, figs. 29-30.-- *Naylor, 1957, p.599, figs. 1-2.-- *Doe & Menzies, 1957 -- 岩佐 [旧日動], 1957, p.810, fig. 2333 (太平洋岸の流れ藻の上に見出さること多くの広き分布を有す).-- 岩佐, 1965, p.56 (朝鮮海峡).-- *Hurley, 1961 -- *Menzies, 1962.-- 椎野 [新日動], 1965, p.548, no. 743 (太平洋岸. 流れ藻に付着).-- *Miller, 1968, p.19, fig. 3.-- *Schultz, 1969, p.78, fig. 97.-- *Holtohuis, 1969, p.358.-- 内海・西村・鈴木 [標原海], 1971, p.76, pl. 25, no. 5 (日本各地, 世界共通種. 流れ藻につく).-- *Naylor, 1972, p.43, fig. 12B.-- Nunomura, 1981a, p.45

(Shichibano-gake cliff, Sawada-machi, Sado I., Niigata Pref.)-- Nunomura, 1985d, p.124 (Off Ogi, Toyama Bay, lat. 137° 13'N, long. 27° 13'E, from floating weeds).-- 布村, 1987, p.3 (大槌湾吉里; 山田町田ノ浜).-- 布村 [検日海], 1995, p.216, fig. 21-200A (世界共通種. 流れ藻に付着).-- 布村 [日海 1997a, p.1119, no. 31, pl. 3 (世界共通種. 流れ藻に付着).-- Kussakin, 1982, p.125, fig. 90.-- Kwon, 1986, p.112, fig. 5A (Korea).

Idotea peloponesiana *Roux, 1828, pl. 30, figs. 10-12.

Idotea atrata *Costa, 1836, p.5, Taf. 11, fig. 3.

Idotea rugosa *Miline-Edwards, 1840, p.131.

Idotea compacta *White, 1847.

Idotea robusta *Kroyer, 1846, p.108.-- *Reinhardt, 1857, p.35.-- *Stimpson, 1863, p.133.-- *Verrill, 1871, p.360.-- *Harger, 1873, pp.439 & 569, pl. 5, fig. 24.-- *Harger, 1880a, p.160.-- *Harger, 1880b, p.349, pl. 6, fig. 30-32.

Idothea metallica, Richardson, 1905, p.362, figs. 292-293.

Idotea algicola Lucas, 1849, p.61, pl. 6, fig. 2.

?*Pentidothea wosnesenskii*, Richardson, 1905, p.370, figs. 402-404.-- Richardson, 1909, p.109.-- Gurjanova, 1936, p.142, fig. 83 (Okhotsk Sea, 0-17m deep).

***Idotea (Idotea) ochotensis* Brandt, 1851** オホーツクヘラムシ

Idotea ochotensis *Brandt, 1851, p.145, pl. 6, fig. 33 (part).-- *Miers, 1883, p.32 (part).-- *Richardson, 1899, p.846.-- *Richardson, 1899, p.265.-- *Richardson, 1900, p.227.-- *Richardson, 1904, p.219.-- *Richardson, 1904, p.663.-- *Richardson, 1905, p.216.-- *Collinge, 1916, p.82.-- *Gurjanova, 1933, p.93, figs. 13-14.-- *Gurjanova, 1935, p.1230.-- Gurjanova, 1936b, p.136, fig. 77 (Okhotsk Sea; Japan; the Sea of Japan).-- *Gurjanova, 1950, p.286.-- 内海[原海動], 1956, p.54, pl.27, no.2 (東北地方, 北海道, 千島. 北方種. 潮間帯の石の下, 海藻の間).-- 岩佐 [旧日動], 1957, p.810, fig. 2332 (千島諸島・オホーツク海・ベーリング海・日本海等の海岸に産す).-- *Moukvevskii, 1960, p.251.-- 椎野 [新日動], 1965, p.548, no. 742 (本州中部以北の海岸に普通, 石の下・海藻の間にすむ).-- Kussakin, 1974, p.242, figs. 14-15 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-25m deep).-- Kussakin, 1982, p.151, figs. 111-112.-- Nunomura, 1981a, p.45 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).-- 布村, 1987, p.3 (大槌湾赤浜センター前突堤, 吉里弁天島).-- Nunomura, 1991b, p.27 (Oshoro, Otaru City; Sakanoshita; Noshappu, Nishi-wakkanai harbour, Wakkanai City; Hama-koshimizu; Noto misaki, off Abashiri, Abashiri City; Utoro, Sari-cho; Daikoku-jima; Aikappu, Akkeshi-cho; Bentenjima, Kushiro City; Enrumu Misaki; Cape Tomoe-misaki, Muroran City; Noboribetsu-cho; Usujiri, Minamikayabe-cho; Shirikishinai-cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.216, pl. 81-12 (本州中部(新潟県, 茨城県)以北. ホンダワラ類をはじめとする海藻の間).-- 布村 [日海ブ], 1997a, p.1119 (北日本).-- Kwon, 1986, p.113, figs. 5B & C (Korea).-- 宇田川, 1992, cover & p.7 (岩見浜, 北海道水研前浜, 釧路東部, 北海道).-- 宇田川, 1996, p.3, fig. 1 (北海道東部沿岸).

Idotea japonica ヤマトヘラムシ *Richardson, 1900, p.131-- Richardson, 1904, p.47 (Tokyo; Mororan; Hakodate).-- Thielemann, 1910, p.63, tafelfig. 30 (Tokio; Mororan; Hakodatebai).-- 岩佐 [旧日動], 1957, p.810, fig. 2331 (本邦中部以北の海岸に普通に見られ, 石の下・海藻の間等に多い).-- 岩佐, 1965, p.56 (朝鮮海峡).-- 西村 [学水動], 1981, pp.97 & 323 (日本各地の岩礁海岸の石の下や海藻の間).-- 武田 [山溪海], 1994, p.277, no. 5 (葉山).

?*Pentidothea japonica* *Richardson, 1900, p.131.-- Richardson, 1909, pp.108 & 207 (Mororan; Hokodate; Same, Rikuoku; Tomakomai).-- Gurjanova, 1936b, p.140, fig. 81 (Japan; the Sea of Japan, *Zostera*, 0-6m deep).

Idothea ochotensis, Richardson, 1905, p.366, figs. 396-397.

Idotea fewkesi, Gurjanova, 1936 b, p.135, fig. 76 (the Sea of Japan).

Idotea derjugni, *Gurjanova, 1933, p.91, figs. 7-8.-- *Gurjanova, 1935, p.1234.-- Gurjanova, 1936b, p.138, fig. 79 (the Sea of Japan, 0-2m deep; Okhotsk Sea).-- *Gurjanova, 1938, p.235.

Idotea ochotensis ochotensis *Kussakin, 1955, p.219, figs. 1, 3 (3, 4).

?*Idotea orientalis* *Gurjanova, 1933, p.92, figs. 11-12.-- Gurjanova, 1936b, p.139, fig. 80 (the Sea of Japan, 20-25m deep; Okhotsk Sea, 14-30m deep).-- Kussakin, 1982, p.156, figs. 113-114 (the Sea of Japan).

***Idotea (Idotea) spasskii* Gurjanova, 1950**

*Gurjanova, 1950, p.287, fig. 3.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-15m deep).-- Kussakin, 1982, p.161, figs. 423-424.

***Idotea (Pentidotea) rotundata* (Richardson, 1909)**

Pentidotea rotundata Richardson, 1909, p.109, figs. 30-31 (Same, Rikuoku, Japan).-- Gurjanova, 1936b, p.141, fig. 82 (Japan; the Sea of Japan, *Zostera*, 0-3m deep).-- *Gruganova, 1938, p.235.

Idotea (Pentidotea) rotundata, Kussakin, 1982, p.177, figs. 130-131 (Japan).-- Kwon, 1986, p.114, figs. 6 & 7 (Korea).

***Idotea* sp. Nunomura & Ikehara, 1985**

Nunomura & Ikehara, 1985, p.63, fig. 9 (off Matsugasaki, Sado, lat. 37° 54.3'N, long. 138° 34.0'E, from floating weeds).

***Idotea* sp. Nunomura, 1995**

Nunomura, 1995, p.1, figs. 1-2 (Otsuchi Bay, Iwate Pref., in the sea grass, *Phyllospadix iwatensis* Makino, 5m deep).

***Paridotea munda* Nunomura, 1988 キンダチヘラムシ**

Nunomura, 1988f p.29, figs. 1-3 (Kominato, Amatsukominato machi, Awa gun, Chiba Pref., attached to a colony of red algae, *Chondrus verrucosa*, intertidal zone).-- 布村 [検日海], 1995, p.219, pl. 81-14 (太平洋岸の紀伊半島, 房総半島や茨城県).

***Paridotea robusta* Nunomura, 1985 モノノフヘラムシ**

Nunomura, 1985d, p.125, figs. 3-4 (Yoshitsune-iwa, Amaharashi, Toyama Bay).-- 布村 [検日海], 1995, p.217, fig. 21-200H (富山湾雨晴海岸の岩礁, 模試式産地は工事のため著しく改変された).-- Kwon, 1986, p.109, fig. 2 (Korea).-- Kim & Kwon, 1988a, p.209 (Cheju I., Korea).

***Pentias arimotoi* Rafi, 1973**

*Rafi, 1973, p.1041, figs. 1-2.-- Kussakin, 1982, p.183, figs. 134-135 (the Sea of Japan).

***Pentias hayi* Richardson, 1904**

Pentias hayi Richardson, 1904, p.47, figs. 24-25 (Misaki, Sagami).-- Richardson, 1909, p.108 (Hakodate, Hokkaido).-- Gurjanova, 1936b, p.147, fig. 86 (Japan; the Sea of Japan, *Zostera*, 0-3m deep).-- *Nierstrasz, 1941, p.267.-- Kussakin, 1982, p.179, figs. 132-133.

Pentias Hayi, Thielemann, 1910, p.64 (Misaki, Sagamibucht).

***Pentias* sp. Nunomura, 1988 ミスジヘラムシ属の1種**

Nunomura, 1988g, p.33, figs. 1-2 (Hiraiso, Nakaminato City, Ibaragi Pref.).-- 布村 [検日海], 1995, p.218, fig. 21-200J.

***Synidotea bathyalis* Gurjanova, 1955**

Synidotea sculpta f. *bathyalis* *Gurjanova, 1955, p.221, figs. 9, 2, 10.

Synidotea bathyalis, Kussakin, 1979b, p.120 (Okhotsk Sea, 283-430m deep).-- Kussakin, 1982, p.268, figs. 202-203.

***Synidotea bogorovi* Gurjanova, 1955**

*Gurjanova, 1955, p.223, figs. 11-12.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 2280-2300m deep).-- Kussakin, 1982, p.254, figs. 190-191.

***Synidotea brazhnikovi* Gurjanova, 1933**

*Gurjanova, 1933, p.97, fig. 22.-- *Gurjanova, 1936b, p.156, fig. 92 (the Sea of Japan, *Zostera pacifica*, 5-25m deep).-- *Gurjanova, 1938, p.235.-- Kussakin, 1982, p.238, figs. 175-176 (the Sea of Japan).

***Synidotea cinerea* Gurjanova, 1933**

*Gurjanova, 1933, p.9, figs. 18 & 19.-- Gurjanova, 1936b, p.169, fig. 106 (Okhotsk Sea, lat. 53° 37'N, long. 140° 30'E, 22m deep).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 10-50m deep).-- Kussakin, 1982, p.202, figs. 146-148.

***Synidotea epimerata* Richardson, 1909**

Richardson, 1909, p.112, figs. 33-34 (Hakodate to Otaru, Hokkaido, by the way of Tugaru strait, at Kamoi misaki light (lat. 43° 19'20"N, long. 140° 17'E), 59 fathoms deep, in a rocky bottom).-- Gurjanova, 1936b, p. 161, fig. 98 (the Sea of Japan, 20-80m deep).-- Kussakin, 1982, p.209, figs. 152-154 (the Sea of Japan).-- 岩佐, 1965, p.56 (朝鮮海峡).

***Synidotea excavata* Gurjanova, 1933**

*Gurjanova, 1933, p.97, fig. 23.-- Gurjanova, 1936b, p.162, fig. 99 (the Sea of Japan).

***Synidotea ezoensis* Nunomura, 1991 エゾワラジヘラムシ (ハナビラヘラムシ)**

Nunomura, 1991b, p.32, figs. 4-5 (off 60m of Horonai, Okhotsuk Sea; off Akkeshi, Hokkaido Pref.).-- 布村 [検日海], 1995, p.216, fig. 21-200D (北海道のオホーツク海ならびに太平洋沿岸).

***Synidotea harfordi* Benedict, 1897**

Idothea marmorata *Hardford, 1877, p.117.

Synidotea harfordi *Benedict, 1897, p.402, fig. 1.-- *Richardson, 1899, p.849.-- *Richardson, 1899, p.269.-- Richardson, 1905, p.387, figs. 427-428.-- Gurjanova, 1936b, p.163, fig. 100 (the Sea of Japan, 0.5-10m deep).

***Synidotea hikigawaensis* Nunomura, 1974 ヘリキレワラジヘラムシ**

Nunomura, 1974a, p.9, figs. 6-7 (off mouth of Hiki River, 4m deep & Ichie, 3m deep, Hikigawa Town, Kii Peninsula).-- Nunomura, 1975, p.33 (Tagurazaki, Wakayama City, Wakayama Pref., from among the bottom algae, *Sargassum* sp.).-- Nunomura, 1981a, p.45 (Ogi, Shukunegi, Ogi-machi, Sado I., Niigata Pref.).-- 布村 [検日海], 1995, p.216, fig. 21-200B.-- Nunomura, 1997a, p.82 (on *Sargassum* bed, Ryouzaki & Sumiyoshizaki, Oita Pref.; on Tengusa, Misaki-cho, Ehime Pref.).-- Kwon, 1986, p.118, fig. 8B (Korea).-- Kim & Kwon, 1988a, p.210 (Cheju I., Korea).-- 稲葉, 1988, p.135 (和歌山市加太田倉岬).

***Synidotea ishimarui* Nunomura, 1991 イシマルワラジヘラムシ**

Nunomura, 1991b, p.29, figs. 2-3 (Utoro facing Okhotsuk Sea, Hokkaido Pref.).-- 布村 [検日海], 1995, p.216, fig. 21-200E (北海道周辺).

***Synidotea laevidorsalis* (Miers, 1881) ワラジヘラムシ (ハバヒロワラジヘラムシ)**

Edotea hirtipes var. *laevidorsalis* *Miers, 1881, p.69, pl. 3, figs. 1-2.

Synidotea laevidorsalis, *Benedict, 1897, p.403.-- Thielemann, 1910, p.64, figs. 71-72 (Yokohama).-- *Nierstrasz, 1941, p.276.-- *Shen, 1955, p.81, 97, pl. 3.-- 内海 [原海動], 1956, p.54, pl. 27, no. 4 (瀬戸内海以北, 北海道, 千島, 北太平洋. 北方系. 浅海産).-- 岩佐 [旧日動], 1957, p.811, fig. 2335 (瀬戸内海以北の本州及び北海道・千島等).-- 椎野 [新日動], 1965, p.548, no. 744 (瀬戸内海以北の本州および北海道にすむ. 分布千島におよぶ).-- Kikuchi, 1968, p.177, no. 226 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).-- Nunomura, 1985c, p.109 (Kagawa Pref.).-- Nunomura, 1985d, p.127 (Mizunashi, Hamakurosaki, Uchiide & Kinoura, all Toyama Bay).-- 布村, 1987, p.3 (大槌長崎沖, 根浜沖, 赤浜突堤, 吉里).-- Nunomura, 1991b, p.29 (Hakodate Bay; Otaru City, mouth of Oshoro Bay, mud flat, 15m deep, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.216, pl. 81-13 (日本各地に分布するが, 特に北陸沿岸に多い. ホンダワラ類をはじめ各種海藻に付着).-- Nunomura, 1997a, p.82 (Sakaide City, Kagawa; in *Ulva* bed, Yamaguchi Bay).-- 布村 [日海ブ], 1997a, p.1119 (中央日本以南).-- 布村, 1999b, p.33 (富山湾氷見海岸阿尾&島尾).-- Kussakin, 1982, p.240, figs. 186-187 (the Sea of Japan).-- Kwon, 1986, p.117, fig. 8A (Korea).-- 稲葉, 1988, p.136 (瀬戸内海全域).

Synidotea harfordi (non Benedict), Gurjanova, 1936, p.163.

Synidotea cf. *laevidorsalis*, Shimomura & Mawatari, 1999, p.49 (Katsuyama).

***Synidotea lata* Gurjanova, 1933 ハバヒロワラジヘラムシ**

Synidothea bicuspidata lata *Gurjanova, 1933, p.94, figs. 15-16a.-- Gurjanova, 1936b, p.153, figs. 89 (the Sea of Japan, 5-20m deep; Okhotsk Sea, 7m deep).

Synidotea excavata *Gurjanova, 1933, p.97, figs. 23.-- *Gurjanova, 1936, p.162, figs. 99.

Synidotea bicuspidata (non Owen), *Kussakin, 1956, p.112.-- *Gurjanova, 1959, p.229.

Synidotea lata, Kussakin, 1974, p.248, fig. 18 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-8m deep).-- Kussakin, 1982, p.240, figs. 177-179.--

布村 [検日海], 1995, p.216 (北海道周辺).

***Synidotea longicirra* Gurjanova, 1933**

*Gurjanova, 1933, p.95, fig. 17.-- Gurjanova, 1936b, p.159, fig. 96 (Okhotsk Sea, 30-141m deep).-- *Gurjanova, 1959, p.229.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 29-400m deep).-- Kussakin, 1982, p.213 (Okhotsk Sea).

***Synidotea muricata* (Harford, 1876)**

Idothea muricata *Harford, 1876, p.117.

Synidotea muricata, *Benedict, 1897, p.400.-- *Richardson, 1899, p.849.-- *Richardson, 1899, p.269.-- *Richardson, 1900, p.228.-- Richardson, 1905, p.390, figs. 433-434.-- *Boone, 1920, p.28D.-- *Gurjanova, 1932, p.103, pl. 35, 155.-- Gurjanova, 1936b, p.166, fig. 103 (Okhotsk Sea, lat. 56° 24'N, long. 143° 18'E, 100m deep).-- *Gurjanova, 1952, p.176.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 45-140m deep).-- Kussakin, 1982, p.198, figs. 144-145.

***Synidotea nebulosa* Benedict, 1897**

*Benedict, 1897, p.394, fig. 5.-- *Richardson, 1899, p.848.-- *Richardson, 1899, p.268.-- *Richardson, 1900, p.227.-- Richardson, 1905, p.381, figs. 416-417.-- Gurjanova, 1936b, p.155, fig. 91.-- *Hatch, 1947, p.219, fig. 152.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 5-380m deep).-- Kussakin, 1982, p.252, figs. 188-189.

***Synidotea nipponensis* Nunomura, 1985 ニッポンワラジヘラムシ**

Nunomura, 1985d, p.127, figs. 5-6 (Amaharashi, Oosakai, Unami & Kinoura, all Toyama Bay).-- 布村 [検日海], 1995, fig. 21-200C (日本海側).-- 布村, 1999b, p.33 (富山湾氷見海岸宇波&大境).

***Synidotea nodulosa* (Krøyer, 1846)**

Idothea nodulosa *Krøyer, 1846, p.100.-- *Kroyer, 1849, pl. 25, fig. 2.-- *Reinhardt, 1857, p.34.-- *Lutken, 1875, p.150.

Synidotea nodulosa, *Harger, 1878, p.374.-- *Harger, 1880, p.160.-- *Harger, 1880, p.351, pl. 6, figs. 33-35.-- *Smith, 180, p.218.-- *Benedict, 1897, p.398.-- *Richardson, 1900, p.228.-- *Richardson, 1901, p.541.-- *Richardson, 1950, p.388, figs. 429-430.-- *Ohlin, 1901, p.29.-- *Hansen, 1916, p.191.-- *Boone, 1920, p.26D.-- *Gurjanova, 1932, p.102, pl. 37, 153.-- *Gurjanova, 1933, p.164.-- Gurjanova, 1936b, p.164, fig. 101.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 8-343m deep).-- Kussakin, 1982, p.192, figs. 140-141.

Edotia nodulosa, *Miers, 1853, p.67.-- *Hansen, 1888, p.188.

?*Synidotea picta*, *Benedict, 1897, p.401, figs. 11-12.-- *Richardson, 1899, p.849.-- *Richardson, 1899, p.270.-- *Richardson, 1900, p.228.-- *Richardson, 1905, p.391, figs. 435-436.-- *Boone, 1920, p.28D.-- *Gurjanova, 1932, p.103, pl. 38, 156.-- *Gurjanova, 1933, p.447.-- Gurjanova, 1936b, p.168, fig. 105.-- *Schulta, 1969, p.70, fig. 83.

***Synidotea otsuchiensis* Nunomura, 1985 トガリワラジヘラムシ**

Synidotea acuta (non Richardson, 1909), Nunomura, 1984d, p.57, figs 1-2 (mouth of Otsuchi Bay, Iwate Pref.).

Synidotea otsuchiensis Nunomura, 1985a, p.71.-- 布村, 1987, p.4 (大槌湾湾口).-- 布村 [検日海], 1995, fig. 21-200F (岩手県大槌湾).

***Synidotea pulchra* Birstein, 1963**

*Birstein, 1963, p.141, figs. 70-71.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 2887-2917m deep).-- Kussakin, 1982, p.259, figs. 194-195.

***Synidotea sculpta* Gurjanova, 1955**

*Gurjanova, 1955, p.217, figs. 7-8.-- *Gurjanova, 1959, p.229.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 60-284m deep).-- Kussakin, 1982, p.264, figs. 199-201 (the Sea of Japan).

***Synidotea spinosa* Gurjanova, 1933**

*Gurjanova, 1933, p.96, figs. 20-21.-- Gurjanova, 1936b, p.167, fig. 104 (Okhotsk Sea, lat. 54° 33'N, long. 140° 20'E; lat. 59° 17'N, long. 144° 40'E, 88-95m deep).

***Synidotea submarmorata* Kussakin & Meshov, 1979**

*Kussakin & Meshov, 1979, p.136, figs. 1-2.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 76-425m deep).-- Kussakin, 1982, p.232, figs. 171-172.

***Synidotea tuberculata* Richardson, 1909**

Richardson, 1909, p.113, fig. 35 (off the coast of Saghalin I., vicinity of Cape Patience, in Okhotsk Sea).--
Gurjanova, 1936b, p.159, fig. 95 (Okhotsk Sea, 120-135m deep).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 120-135
m deep).-- Kussakin, 1982, p.215, figs. 158-159.

***Synidotea* sp. Nunomura, 1985**

Nunomura, 1985c, p.110, fig. 8 (Nishiwaki, Kagawa Pref., from subtidal zone).

Q ***Synisoma pacificum* Nunomura, 1974** クロシオナガヘラムシ

Synisoma pacificum Nunomura, 1974a, p.6, figs. 4-5 (Ichie, 3m deep, off & mouth of Hiki River, 4m deep,
Hikigawa Town, Kii Peninsula).-- Nunomura, 1975, p.34 (west coast of Tomogashima, Wakayama City, Wakayama
Pref.).-- Nunomura, 1981a, p.46 (Kuroshma, Tassya, Aikawa-machi; Kita-ushima northern part of Ryotsu City,
both Sado I., Niigata Pref., among the colonies of brown algae, *Sargassum patens*).-- Nunomura, 1985d, p.125
(off Ogi, Toyama Bay, from floating weeds).-- Nunomura, 1991b, p.35 (Kikonai & Oshoro, both Hokkaido
Pref.).-- Nunomura, 1997a, p.81 (Misaki-cho, Ehime Pref.).-- 稲葉, 1988, p.136 (Tomogashima, Osaka Bay).
Synisoma pacificus, 布村 [検日海], 1995, p.217, fig. 21-200G (佐渡島以南の各地. 潮下帯のホンダワラ類や石灰藻の
間).

Family Chaetiliidae : トガリヘラムシ科 (ヤリボヘラムシ科)

***Mesidotea entomon* (Linnaeus, 1758)**

Onicus entomon *Linnaeus, 1767, p.1060.-- *Pallas, 1772, p.64, pl. 5, figs. 1-6.

Squilla entomon, *De Geer, 1778, p.514, pl. 32, figs. 1-10.

Asellus entomon, *Olivier, 1789, p.253.

?*Cymothoa entomon*, *Fabricius, 1798, p.505.

Idotea entomon, *Bosc, 1802, p.178.-- *Latreille, 1803-4, p.361, pl. 58, figs. 2-3.-- *?Lamarck, 1818, p.159.--

*Rathke, 1820, p.109, pl. 4.-- *?Desmarest, 1825, p.289.-- *Kroyer, 1838, p.323.-- *Kroyer, 1846-49, p.402.--

*Milne Edwards, 1840, p.128.-- *White, 1847, p.93.-- *Brandt, 1851, p.145.-- *Brandt, 1880, p.713.-- *Brandt,
1880, p.98.-- *Meinert, 1877, p.84.

?*Saduria entomon*, *Adams, in White, 1852, p.207.

Idotaega longicauda, *Lockington, 1877, pt. 1, p.45.

Glyptonotus entomon, *Miers, 1883, p.12, pl. 1, figs. 1-2.-- *Richardson, 1899, p.843.-- *Richardson, 1899, p.
262.

Mesidotea entomon, Richardson, 1905, p.348, fig. 374-376.-- Richardson, 1909, p.107.-- 岩佐 [旧日動], 1957, p.
811, fig. 2334 (広くアジア及び欧米の北方の寒海に産し, 北千島の海跡湖にも見出される).-- Kussakin, 1979b, p.120
(Okhotsk Sea, 0-110m deep).-- Kussakin, 1982, p.74, figs. 48-50.

?*Mesidothea entomon orientalis*, *Gurjanova, 1933, p.439.-- Gurjanova, 1936b, p.145, fig. 85 (Okhotsk Sea,
0-5m deep).

***Symmia caudatus* Richardson, 1904** ヤリボヘラムシ

Richardson, 1904, p.40, figs. 11-15 (Ose zaki, 60-70 fathoms in deep).-- Thielemann, 1910, p.62 (Osezaki).--

Gurjanova, 1936b, p.149, fig. 87 (Ose Zaki, Japan, 120-140m deep).-- 岩佐 [旧日動], 1957, p.811, fig. 2336 (本

州の太平洋及び日本海沿岸各地の20~250mの海底の砂底中に棲む).-- 岩佐, 1965, p.57 (朝鮮海峡).-- 椎野 [新日動],

1965, p.548, no.745 (本州の両岸20~250mの海底砂泥中).-- Kikuchi, 1968, p.177, no. 228 (Tomiooka Bay, Amakusa,

Kyushu, *Zostera marina* belt).-- 西村 [学水動], 1981, pp.97 & 324 (本州各地の沿岸20mくらいの深さから大陸棚に

かけて. 砂泥底).-- 武田 [原甲検], 1982, p.237, no.711 (本州, 四国, 九州. 水深10~200mの海底の砂泥中).-- 布村,

1987, p.4 (大槌湾浪之助沖64m, 湾口80-82m, 根浜沖10m).-- 布村 [検日海], 1995, p.218 (日本各地).-- Nunomura,

1997a, p.82 (Akiho Bay, Yamaguchi Pref.).-- Ohta, 1983, p.228 (Suruga Bay, 128-368m deep, 18 trawls).-- 稲

葉, 1988, p.136 (瀬戸内海全域).

***Symmium planus* Nunomura, 1984** ヒラタヤリボヘラムシ

Nunomura, 1984d, p.60, figs 3-4 (Otsuchi Bay, Iwate Pref., from 4-10 m deep).-- 布村, 1987, p.4 (大槌湾根浜沖, 湾口).-- 布村 [検日海], 1995, p.218, fig. 21-200M (岩手県大槌湾の浅海の砂泥底から発見され, 個体数も多い).

Family Arcturidae : オニナナフシ科

***Antarcturus (Antarcturus) beddardi* (Gurjanova, 1935)**

Arcturus beddardi *Gurjanova, 1935, p.28, fig. 6.-- Gurjanova, 1936b, p.196, fig. 126 (Okhotsk Sea, lat. 55° 13' N, long. 146° 52'E, 592m deep; lat. 49° 23'N, long. 148° 46'E, 1076m deep).

Antarcturus beddardi, *Gurjanova, 1955, p.230.-- *Kussakin, 1971, p.243, fig. 3.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 246-820m deep).-- Kussakin, 1982, p.285, figs. 212-213.

***Antarcturus (Antarcturus) echinatus* Kussakin, 1982**

Kussakin, 1979b, p.120 (Okhotsk Sea, 602m deep).-- Kussakin, 1982, p.291, figs. 216-217 (Okhotsk Sea).

***Antarcturus (Antarcturus) hirsutus* (Richardson, 1904)**

Arcturus hirsutus Richardson, 1904, p.41, fig. 16 (Rat Island, the Aleutian Chain, 270 fathoms in deep).-- Richardson, 1909, p.97 (off Omai saki light (lat. 34° N, long. 137° 49'40"E), 918 fathom deep, in gray sand & green mud; in brooken shells; in green & brown sand; in gray mud, sand & pebbles; in fine gray sand; in coarse pebbles).-- *Richardson, 1910, p.32.-- *Gurjanova, 1936, p.194, fig. 125.-- Nierstrasz, 1941, p.254.

Antarcturus hirsutus, *Birstein, 1963, p.153.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 950-2850m deep).-- Kussakin, 1982, p.297, figs. 221-222.

***Antarcturus (Antarcturus) ultraabyssalis* Birstein, 1963**

*Birstein, 1963, p.156, figs. 78, pl. 3.-- *Kussakin, 1971, p.246.-- Kussakin, 1982, p.280, figs. 208-209.

***Arcturus acuticaudalis* Gurjanova, 1933**

Arcturus stosus var. *acuticaudalis* *Gurjanova, 1933, p.89, fig. 4.-- Gurjanova, 1936b, p.183, fig. 115 (Okhotsk Sea, lat. 59° 17'N, long. 145° 40'E, 88m deep; lat. 54° 34'N, long. 142° 44'E, 65m deep; the Sea of Japan, lat. 48° 55'N, long. 140° 33'E, 124m deep).

Arcturus acuticaudalis, Kussakin, 1979b, p.121 (Okhotsk Sea, 88-124m deep).-- Kussakin, 1982, p.322, figs. 239-240 (the Sea of Japan).

***Arcturus asper* Kussakin, 1972**

Kussakin, 1972c, p.180, figs. 1 & 2 (off Paramushir, 76-77m deep; Okhotsk Sea near Paramushir, 52-53m deep; Simushir, 50-60m deep, stones with sponges and hydroids; Urup, 30-48m deep, all region of Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 30-77m deep).-- Kussakin, 1982, p.350, figs. 259-260.

***Arcturus baffimi* (Sabine, 1824)**

Idothea baffimi *Sabine, 1824, p.228, pl. 1, figs. 4-5.

Arcturus baffimi, *Westwood, 1836, p.72.-- *Milne Edwards, 1840, p.123, pl. 31, fig.1.-- *Milne Edwards, 1849, pl. 70, fig. 2.-- *G. O. Sars, 1885, p.97, pl. 9, figs. 1-22.-- *G. O. Sars, 1909, p.8.-- *Beddard, 1886, pl. 20, fig. 12.-- *Hansen, 1887-88, p.188.-- *Axel Ohlin, 1895, p.15.-- *Benedict, 1898, p.43.-- *Richardson, 1900, p.230.-- *Richardson, 1901, p.549.-- Richardson, 1905, p.337, figs. 367-368.-- *Ortmann, 1901, p.156.-- *Norman, 1904, p.444.-- *Hansen, 1916, p.192, pl. 15, fig. 5, a.-- *Gurjanova, 1932, p.105, pl. 38, 157.-- *Gurjanova, 1933, p.448.-- Gurjanova, 1936b, p.175, fig. 109 (Okhotsk Sea, lat. 55° 41'N, long. 141° 25'E).-- *Stephensen, 1936, p. 13.-- *Stephensen, 1937, p.16.-- *Schultz, 1969, p.58, fig. 62, e.-- Kussakin, 1982, p.318, figs. 236-238.

***Arcturus beringanus* Benedict, 1898**

*Benedict, 1898, p.46, fig. 6.-- *Richardson, 1899, p.854.-- *Richardson, 1899, p.275.-- *Richardson, 1900, p.229.-- Richardson, 1905, p.328, fig. 359.-- *Boone, 1920, p.30D.-- Gurjanova, 1936b, p.191, fig. 121 (Okhotsk Sea, lat. 51° 36'N, long. 141° 04'E, 22m deep; the Sea of Japan, 50-80m deep).-- *Gurjanova, 1950, p.290.-- *Schultz, 1969, p.57, fig. 62, d.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 11-100m deep).-- Kussakin, 1982, p.340, p.252-

254 (Okhotsk sea).

***Arcturus crassispinis* Richardson, 1909** オニナナフシ

Richardson, 1909, p.106, fig. 29 (Matsu shima, the Sea of Japan, to Nagasaki at Cape Clonard (lat. 35° 54'N, long. 129° 46'E) & (lat. 36° 19'N, long. 129° 47'E), 21-73 fathom deep).-- Gurjanova, 1936b, p.186, fig. 118 (the Sea of Japan, 20-150m deep).-- 岩佐 [旧日動], 1957, p.813, fig. 2340 (朝鮮海峡・ベーリング海・アリューシャン群島等の70~250mの深処に棲む).-- 椎野 [新日動], 1965, p.549, no. 749 (朝鮮海峡・日本海・オホーツク海におよぶわが国沿岸70尋前後の深所にすむ).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 7-387m deep).-- Kussakin, 1982, p.268, figs. 271-273 (the Sea of Japan; Japan).

***Arcturus crenulatus* Gurjanova, 1933**

Arcturus crenulatus *Gurjanova, 1933, p.90, figs. 5-6.-- Gurjanova, 1936b, p.192, fig.122 (the Sea of Japan, 60m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 16-200m deep).-- Kussakin, 1982, p.343, figs. 255-256 (the Sea of Japan).

Arcturus beringanus *Gurjanova, 1936a, p.192 (part), fig. 121.

***Arcturus granulatus* Richardson, 1909**

Richardson, 1909, p.98, fig. 23 (Milne Bay, Simushir I., Kuril Is., to Hakodate, Hokkaido (lat. 46° 42'N, long. 151° 47'E), 229 fathoms deep, in coarse pebbles & black sand).-- Gurjanova, 1936b, p.189, fig. 120 (Okhotsk Sea, lat. 46° 42'N, long. 151° 45'E - lat. 46° 42'N, long. 151° 45'E, 402m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 130-320m deep).-- Kussakin, 1982, p.347, figs. 257-258.

***Arcturus hastiger* Richardson, 1909**

Richardson, 1909, p.99, fig. 24 (Hakodate to Otaru, Hokkaido, by the Tsugaru strait, at Benkei misaki light (lat. 43° N, long. 140° 10'30"E) & (lat. 43° 01'35"N, long. 140° 10'40"E), 390-428 fathoms deep, in greenmud).-- Gurjanova, 1936b, p.178, fig. 111 (the Sea of Japan, 702-770m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 42-330m deep).-- Kussakin, 1982, p.328, figs. 243-244 (the Sea of Japan).

***Arcturus macrurus* Kussakin, 1982**

Kussakin, 1979b, p.121 (Okhotsk Sea, 207-425m deep).-- Kussakin, 1982, p.332, figs. 247-248 (Okhotsk Sea).

***Arcturus magnispinis* Richardson, 1909**

Arcturus magnispinis (♀) *Richardson, 1909, p.103, fig. 26.-- Gurjanova, 1936, p.185, fig. 117.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 78-370m deep).-- Kussakin, 1982, p.363, figs. 269-270 (Okhotsk Sea).

Arcturus brevispinis (♂) Richardson, 1909, p.105, fig. 28.-- Gurjanova, 1936, p.188, fig. 119.

***Arcturus ochotensis* Kussakin, 1982**

Kussakin, 1979b, p.121 (Okhotsk Sea).-- Kussakin, 1982, p.360, figs. 267-268 (Okhotsk Sea).

***Arcturus seminudus* Gurjanova, 1933**

Arcturus setosus var. *seminudus* *Gurjanova, 1933, p.89, fig. 3.-- Gurjanova, 1936b, p.183, fig. 114 (Okhotsk Sea, lat. 60° 19' N, long. 158° 13'E; the Sea of Japan, 30m deep).

Arcturus seminudus, Kussakin, 1979b, p.121 (Okhotsk Sea, 30-109m deep).-- Kussakin, 1982, p.328, figs. 243-244 (the Sea of Japan).

***Arcturus setosus* Gurjanova, 1933**

*Gurjanova, 1933, p.88, fig. 2.-- Gurjanova, 1936b, p.181, fig. 113 (Okhotsk Sea, 14-144m deep).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 37-500m deep).-- Kussakin, 1982, p.355, figs. 263-264.

***Arcturus tuberosus* Kussakin**

Kussakin, 1979b, p.121 (Okhotsk Sea, 102m deep).

***Arcturus ulbani* Gurjanova, 1933**

*Gurjanova, 1933, p.87, fig. 1.-- Gurjanova, 1936b, p.177, fig. 110 (Okhotsk Sea).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 2-231m deep).-- Kussakin, 1982, p.325, figs. 241-242.

***Arcturus* sp. A** オニナナフシ属の1種A

Ohta, 1983, p.228 (Suruga Bay, 76-202m deep, 82 trawls).

Arcturus sp. B オニナナフシ属の1種B

Ohta, 1983, p.228 (Suruga Bay, 128-140m deep, 32 trawls).

Arcturus sp. オニナナフシ属の1種

布村 [検日海], 1995, p.218, fig. 21-200N.

Astacilla serrata Nunomura, 1998 ナミベリヒメナナフシ

Nunomura, 1998c, p.61, figs. A-R (28m deep, mouth of Gokasho Bay, off Mie Pref.).

Neastacilla kurilensis Kussakin, 1974

Kussakin, 1974, p.254, fig. 21 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).
-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).-- Kussakin, 1982, p.401, figs. 300-301.

Neastacilla littoralis Kussakin, 1974

Kussakin, 1974, p.250, fig. 20 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).
-- Kussakin, 1982, p.392, figs. 293-294.

Neastacilla nodulosa Kussakin, 1982

Kussakin, 1979b, p.121 (Okhotsk Sea, 602m deep).-- Kussakin, 1982, p.411, figs. 307-308.

Neastacilla polita (Gurjanova, 1936)

Astacilla polita Gurjanova, 1936a, 225, fig. 4.-- Gurjanova, 1936b, 204, fig. 132 (the Sea of Japan, lat. 42° 49'N, long. 133° 48'E, 60m deep).

Neastacilla polita, Kussakin, 1982, p.395, figs. 295-296 (the Sea of Japan).

Neastacilla richardsonae Kussakin, 1982

Astacilla dilatata (nec G. O. Sars, 1883), *Richardson, 1909, p.96, fig. 22 (Hakodate to Ebisu, Sado I., the Sea of Japan, at Niigata light (lat. 38° 16'N, long. 138° 52'E), 70 fathoms deep, in dark green sand).-- Gurjanova, 1936b, p.203, fig. 131 (the Sea of Japan, lat. 38° 16'N, long. 137° 52'E, 126m deep).

Neastacilla richardsonae Kussakin, 1982, p.391, fig. 292 (the Sea of Japan).

Neastacilla tzvetkowskii Kussakin, 1974

Kussakin, 1974, p.249, fig. 19 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).
-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).-- Kussakin, 1982, p.406, figs. 304-305.

Neastacilla sp. ヒメナナフシ属の1種

布村 [検日海], 1995, p.219, fig. 21-200O.

Parapleuropriion tarasovi (Gurjanova, 1935)

*Gurjanova, 1935, p.29, fig. 7.-- Gurjanova, 1936, p.201, fig. 130 (Okhotsk Sea).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 100-36m deep).-- Kussakin, 1982, p.313, figs. 234-235.

Pleuropriion chlebovischi Kussakin, 1972

Kussakin, 1972c, p.183, figs. 3 & 4 (Onkotan, 33m deep, rocks and gravel; Paramushir, 27m deep, sand and gravel; Simushir, 50-65m deep, rocks and stones with sponges and hydroids; Urop, 6-48m deep, rocks with sponges and hydroids, all Kuril Is.).-- Kussakin, 1979b, p.121 (Okhotsk Sea, 6-65m deep).

Pleuropriion hystrix (G. O. Sars, 1877)

Arcturus hystrix *G. O. Sars, 1877, p.350.-- *G. O. Sars, 1885, p.104, pl. 9, figs. 23-26.-- *Norman, 1904, p.446.
Pleuropriion hystrix, *Hansen, 1916, p.194, pl. 15, figs. 6a-b.-- *Gurjanova, 1932, p.106, pl. 39, 159.-- Gurjanova, 1936b, p.198, fig. 127 (Okhotsk Sea).-- Kussakin, 1982, p.421, figs. 313-314.

Pleuropriion littorale Kussakin

Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).

Pleuropriion murdochi (Benedict, 1898)

Arcturus murdochi *Benedict, 1898, p.49, fig. 9.-- *Richardson, 1899, p.855.-- *Richardson, 1899, p.277.-- *Richardson, 1900, p.230.

Pleuropriion murdochi, Richardson, 1905, p.342, figs. 371-372.-- *Hansen, 1916, p.195.-- *Bone, 1920, p.30D.-- *Gurjanova, 1932, p.106, pl. 39, 160.-- Gurjanova, 1936b, p.198, fig. 127.-- *Schultz, 1969, p.52, fig. 53, a.--

Kussakin, 1979b, p.121 (Okhotsk Sea, 40-200m deep).-- Kussakin, 1982, p.424, figs. 315-316.

***Pleuopriion tarasovi* Gurjanova, 1935**

*Gurjanova, 1935, p.29, fig. 7.-- Gurjanova, 1936b, p.201, fig. 130 (Okhotsk Sea, lat. 55° 41'N, long. 154° 35'E, 122m deep).

***Pleuopriion toporoki* Kussakin, 1972**

*Gurjanova, 1959, p.229 (nom. nud.).-- Kussakin, 1972c, p.186, figs. 5 & 6 (Shikotan I., 50m deep; Iturup, Pacific coast, 40-41m deep, rocks and stones with sponges and hydroids; Urup, 5m deep, rocks & 46-60m deep, rocks with sponges and hydroids, all Kuril Is.).-- Kussakin, 1982, p.432, figs. 321-322.

Pleuopriion sp.(aff. *toporoki*) , Nunomura, 1991b, p.35, fig. 6 (30m deep, off Akkeshi cho, Hokkaido Pref.).

***Pleuopriion* sp. トゲオニナナフシ属の1種**

布村 [検日海] , 1995, p.219, fig. 21-200P.

Suborder Flabellifera : コツブムシ (有扇) 亜目

Family Aegidae : グソクムシ科

***Aega antillensis* Schioedte & Meinert, 1879** メナガグソクムシ

*Schioedte & Meinert, 1879, p.361, pl. 8, figs. 10-13.-- *Richardson, 1901, p.521.-- Richardson, 1905, p.170, figs. 149-150.-- Thielemann, 1910, p.26, tafelfig. 1-2 (Misaki; Ito; Hatsushima; Fukuura, Sagamibai).-- 岩佐 [旧日動] , 1957, p.815, fig. 2346 (駿河湾・相模湾・厚岸湾等に於いて10~100mの海底に発見せられたり).-- 椎野 [新日動] , 1965, p.543, no.722 (太平洋・大西洋に分布. 魚体に付着して吸血. 満腹すれば海底に落ち消化するのを待つ).-- Nunomura, 1981a, p.49 (off Tassya, Aikawa-machi, Sado I., Niigata Pref., from set net).

***Aega dofleini* Thielemann, 1910** グソクムシ

Thielemann, 1910, p.28, figs. 28-34 (Sagamibucht).-- 岩佐 [旧日動] , 1957, p.814, fig. 2345 (本邦太平洋岸及び日本海に於いて100m前後の海底より得られる).-- 椎野 [新日動] , 1965, p.542, no.721 (太平洋・日本海の深部).-- Nunomura, 1981a, p.49 (from the sea bottom between Sado I. & Awashima I., the Sea of Japan).-- Ohta, 1983, p.228 (Suruga Bay, 320-368m deep, 3 trawls).-- 稲葉, 1988, p.137 (瀬戸内海伊予灘).

***Aega giganteocula* Nunomura, 1988** メダマグソクムシ

Nunomura, 1988d, p.19, figs. 1-2 (off Itoman, Okinawa I., 40m deep).

***Aega komai* Bruce, 1996**

Bruce, 1996, p.129, figs. 1-4 (off Choshi, Honshu, ?14° 50'E, 35° 20'N, Host: on the mantle of the squid *Loligo bleekeri* Keferstein).

***Aega magnoculis* Richardson, 1909**

Richardson, 1909, p.80, fig. 7 (10-20 miles southwest of Koshika I., astern sea, at Tsurikake Saki Light (lat. 31° 39'N, long. 129° 20'30"E.), 369 fathoms deep).-- *Nierstrasz, 1931, p.181.-- Gurjanova, 1936b, p.72, fig. 31 (Okhotsk Sea, lat. 49° 23'N, long. 148° 46'E, 1076m deep).-- Kussakin, 1979a, p.247, fig. 118 (Okhotsk Sea).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 680-1076m deep).

***Aega platyantennata* Nunomura, 1993** ヒロヒゲグソクムシ (アリソグソクムシ)

Nunomura, 1993b, p.11, figs. 1-2 (off Himi City, Toyama Pref., Host: surface body of the back of angler fish, *Lophiomus setigerus* (Vahl), caught by set net).-- 布村 [検日海] , 1995, p.221, fig. 21-201I (富山湾).

***Aega synopthalma* Richardson, 1909**

Richardson, 1909, p.81, fig. 8 (Uraga Strait (entrance Gulf of Tokyo), at Joga Shima Light (lat. 35° 04'10"N, long. 139° 38'12"E.), 197 fathoms deep, in green mud & coarse, black sand & pebbles).

***Aega* sp. Nunomura, 1981**

Nunomura, 1981a, p.49 fig. 5 (off Ogi, Ogi-machi, Sado I., Niigata Pref., from gill net).

***Rocinela affinis* Richardson, 1904**

Richardson, 1904, p.33, figs. 1-2 (at the entrance of Port Heda, 167 fathoms in deep).-- Thielemann, 1910, p.

30 (Port Heda, 306 m).

***Rocinela angustata* Richardson, 1898**

Rocinela laticauda (non Hansen), *Richardson, 1898, p.14, figs. 5-6.-- *Richardson, 1899, p.827.

Rocinela angustata *Richardson, 1898, p.14, figs. 5-6.-- *Richardson, 1898, p.828 (part).-- Richardson, 1904, p.33 (Manazuru).-- *Richardson, 1905, p.214.-- Richardson, 1905, p.206, figs. 203-208 (Japan).-- Richardson, 1909, p.83 (south coast of Hokkaido at Urakawa (lat. 41° 58'N, long. 142° 30'30"E) & (lat. 42° 11'10"N, long. 142° 12'E)).-- Thielemann, 1910, p.31 (Manazuru).-- *Richardson-Searle, 1914, p.362.-- Gurjanova, 1936b, p.77, figs. 35 (the Sea of Japan, lat. 41° 58'N, long. 142° 30'E; lat. 42° 11'N, long. 142° 12'E, 920m deep; Okhotsk Sea, lat. 49° 12'N, long. 145° 21'E, 443m deep; lat. 51° 10'N, long. 154° 17'E, 591m deep).-- *Hach, 1947, p.210, figs. 74-77.-- *Schultz, 1969, p.204, figs. 324.-- Kussakin, 1979a, p.259, figs. 125-126 (Japan).--Kussakin, 1979b, p.120 (Okhotsk Sea, 120-920m deep).

***Rocinela belliceptis* (Stimpson, 1864)**

Aega belliceptis *Stimpson, 1864, p.155.

Rocincla belliceptis, *Richardson, 1899, p.169.-- *Richardson, 1900, p.219.-- *Richardson, 1904, p.214.-- *Richardson, 1905, p.213.-- Richardsom, 1905, p.199, figs. 187-192.-- Richardson, 1909, p.82 (Milne Bay, Simushir I., Kuril Is., to Hakodate, Hokkaido (lat. 46° 42'N, long. 151° 45'E); (lat. 46° 42'N, long. 151° 47'E); Hakodate to Ebisu, Sado I.; at north point of Sado I. (lat. 38° 33'N, long. 138° 40'E); Matsu Shima, Sea of Japan, to Nagasaki (lat. 36° 18'N, long. 129° 44'E)).-- *Boone, 1920, p.14.-- *Fee, 1926, p.25.-- Gurjanova, 1936b, p.75, fig. 34 (the Sea of Japan & Okhotsk Sea, many localities).-- *Gurjanova, 1952, p.176.-- *Hatch, 1947, p.209.-- *Schultz, 1969, p.203, fig. 320.-- Kussakin, 1979a, p.259, figs. 127-128 (Okhotsk sea).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 19-540m deep).

Aega alascensis *Lockington, 1877, p.46, pt. 1.

Rocincla alascensis, *Richardson, 1898, p.11.

***Rocinela japonica* Richardson, 1898**

*Richardson, 1898, p.15, figs. 7-9.-- Thielemann, 1910, p.31 (Hakodatebai, 28 m).-- Gurjanova, 1936b, p.78, figs. 36 (the Sea of Japan, lat. 51° 26'N, long. 140° 49'E, 64m deep; lat. 50° 06'N, long. 140° 33'E, 20m deep; lat. 43° 39'N, long. 135° 16'E, 54m deep).-- Kussakin, 1979a, p.262, figs 131-132 (the Sea of Japan).

***Rocinela maculata* Schioedte & Meinert, 1879 タラノシラミ**

*Schioedte & Meiner, 1879, p.393, pl. 12, figs. 10-12.-- *Bovallius, 1885, p.10, pl. 2, figs. 18-23.-- *Hansen, 1887, p.187.-- *Richardson, 1900, p.219.-- *Richardson, 1901, p.524.-- Richardson, 1905, p.198, fig. 186.-- *Richardson, 1909, p.83 (Hakodate to Ebisu, Sado I., Sea of Japan (by the Tsugaru Strait) at Cape Tsiuka (lat. 41° 36'12"N, long. 140° 36'E), 44 fathoms deep, in shells and coarse gravel).-- Thielemann, 1910, p.31 (Aburatsubo).-- Gurjanova, 1936b, p.74, fig. 33 (the Sea of Japan, 0-20m deep; Okhotsk Sea, 48° 58'N, 140° 35'E, 75m deep & 45° 40'N, 141° 59'E, 56m deep).-- 岩佐 [旧日動], 1957, p.815, fig. 2347 (太平洋及び日本海の50~650mの深さより発見され, 鱈等の魚類外部に付着すること多し).-- 椎野 [新日動], 1965, p.543, no.723 (太平洋・日本海の50~60mの海底にすみ, タラその他の魚類の体表に着生. グリンランド・シベリア沿岸にも分布).-- Kussakin, 1974, p.229, fig. 3 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.66 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.260, figs. 129-130 (Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-220m deep).-- 西村 [学水動], 1981, pp.97 & 266 (北日本・北太平洋・北大西洋. マダラ, その他の海産魚類の体表に付着).-- Ohta, 1983, p.228 (Suruga Bay, 98-112m deep, 2 trawls).-- 布村, 1987, p.2 (根浜, 赤浜 (ドレッジ), 35-41m, 大槌湾; 織笠, 船越湾).-- Nunomura, 1991b, p.41 (off Yubetsu; off Omu; off Daikokujima, 45m deep, Akkeshi cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.221, fig. 21-201H (日本海・北太平洋の20m以深の海底に棲み, タラなどの魚類に寄生).-- 布村 [日海ブ], 1997a, p.1115 (日本海, 北太平洋の20~65mの海底).

***Rocinela niponica* Richardson, 1909**

Richardson, 1909, p.83, figs. 9-10 (Hakodate to Ebisu, Sado I., the Sea of Japan, at Niigata Light (lat. 38° 16' N, long. 138° 52'E), 70 fathoms deep, dark green sand).-- Gurjanova, 1936b, p.79, figs. 37 (the Sea of Japan,

lat. 38° 16'N, long. 138° 52'E, 140m deep).

***Rocinela* sp. Nunomura, 1991**

Nunomura, 1991b, p.41, fig. 8 (off Kushiro, Hokkaido Pref.).

***Syscenus infelix* Harger, 1880**

Syscenus infelix *Harger, 1880, p.387.-- *Harger, 1883, p.100. pl. 3, figs. 5-5a, pl. 4, figs. 3-3h.-- *Bovallius, 1886-1887, p.17.-- *Richardson, 1898, p.8 (foot-note).-- *Richardson, 1900, p.219.-- *Richardson, 1901, p.524.-- Richardson, 1905, p.212, figs. 216-217.-- Richardson, 1909, p.85 (Ose saki (lat. 35° 06'05"N, long. 138° 40'20"E), 211-219 fathom deep, fine black sand).-- *Norman, 1904, p.437.-- Gurjanova, 1936b, p.80, fig. 38 (the Sea of Japan, lat. 35° 06'N, long. 138° 40'E, 140-580m deep).-- Kussakin, 1979a, p.269, figs. 137-138.

Harponyx pranizoides *G. O. Sars, 1883 (young).

Rocinela lilljeborgi, *Bovallius, 1885, p.3, pl. 1-2.

Syscenus lilljeborgi, *Bovallius, 1886-87, p.17.

***Syscenus latus* Richardson, 1909**

Richardson, 1909, p.85, fig. 11 (southwest of Koshika I., Eastern Sea, at Tsurikake saki light (lat. 31° 39'30"N, long. 129° 24'E) & (lat. 31° 39'N, long. 129° 20'30"E), 406 fathom deep, gray globigerina ooze).

***Syscenus pacificus* Nunomura, 1981 オニグソクムシ**

Nunomura, 1981c, p.15, fig. 1 (the East China Sea, Net 8: lat. 26° 17.14'N, long. 124° 46.77'E to lat. 26° 15.74'N, long. 124° 47.14'E, 910-990m deep, Net: 10: lat. 26° 27.84'N, long. 124° 50.93'E to lat. 26° 27.36'N, long. 124° 50.23'E, 680-770m deep, Net 16: lat. 30° 01.77'N, long. 128° 21.94'E to lat. 29° 59.43'N, long. 128° 21.39'E, 940-959m deep, Net 74: lat. 29° 44'N, long. 128° 03'E, 815m deep).

Aegidae sp.

布村, 1987, p.2 (大槌湾).

Family Anuropodidae : オナシグソクムシ科

***Anuropus bathypelagicus* Menzies & Dow, 1958**

*Menzies & Dow, 1958, p.1, figs. 1-16.-- *Gordon, 1958, p.7, fig. 2,3,5.-- *Birstein, 1963, p.125, fig. 126 (about 1300km east off Nemuro, Hokkaido).-- Kussakin, 1979a, p.220, figs. 93-94.-- Nunomura, 1983b, p.72 (about 1300km east off Nemuro, Hokkaido).

***Anuropus sanguineus* Nunomura, 1983 ヒイロオナシグソクムシ**

Nunomura, 1983b, p.69, figs. 1-3 (600m deep, off 16 miles from Abashiri Cty, Hokkaido, lat. 44° 12.5'N, long. 144° 33'E).

Family Cirolanidae : スナホリムシ科

***Bathynomus doederleini* Ortmann, 1895 オオグソクムシ**

Bathynomus Doederleini *Ortmann, 1895, p.191.-- Thielemann, 1910, p.18 (Enoshimsa, Sagami-bucht).
Bathynomus doederleini, Richardson, 1909, p.78 (Suruga Gulf, Japan at Ose Saki).-- Gurjanova, 1936b, p.68 (Enoshima, Japan).-- 岩佐 [旧日動], 1957, p.814, fig. 2343 (相模湾・銚子沖等の200m前後の深度に於いて得られる).-- 椎野 [新日動], 1965, p.542, no.718 (相模湾の深处, そのほか日本海棚200m位の深海から採集される).-- 西村 [学水動], 1981, pp.97 & 215 (本州中部沿岸(水深200~600m), 南日本のものは別種の可能性あり).-- Nunomura, 1981c, p. 13 (18 stns, the East China Sea, 300-910m deep).-- Sekiguchi, *et al.*, 1981, p.11, pl. 1. (Kumano-nada region, lat. 33° 45'N, long. 136° 08'E, 520m deep, attacking abdominal cavity of armor shark, *Dalatias licha* by gill net). -- Sekiguchi, *et al.*, 1982, p.499 (off eastern coast of Kii Peninsula, Kumano-nada).-- 武田 [原甲検], 1982, p. 239, no.717.-- Ohta, 1983, p.70 (St. P-6: Kt-74-14, St. P-B5, off Matsuzaki, 547-583m, Area covered: 465.09m², 228 (Suruga Bay, 320-368m deep, 3 trawls)).

Palaega doederleini, Karasawa, *et al.*, 1992, p.5, fig. 3 (off Tahara-cho, Atsumi-gun Aichi Pref., from 100-150 m deep).

***Bathynomus* sp. aff. *doederleini* Karasawa, Nobuhara & Matsuoka, 1992 (化石種)**

Palaega sp. aff. *doederleini* Karasawa, *et al.*, 1992, p.5, fig. 4 (Late Pliocene Hijikata Formation, Ieshiro, Kakegawa Group, Kakegawa City, Shizuoka Pref., lat. 34° 47'14"N, long. 137° 58'33"E).

Bathynomus sp. aff. *doederleini*, 柄沢, 1997, p.72, pl. 30, figs. 4-6 (掛川層群土方層前期更新世).

***Bathynomus undecimspinosa* Karasawa, Nobuhara & Matsuoka, 1992 ジュウイチトゲオオグソクムシ (化石種)**

Palaega undecimspinosa Karasawa, *et al.*, 1992, p.6, fig. 5 (Middle Miocene Higashibessho Formation, Murasugi, Yatsuo Group, Yatsuo-cho, Nei-gun, Toyama Pref., lat. 36° 44'15"N, long. 137° 9'30"E).-- 柄沢・中川, 1992, p. 11, pl. 2, fig. 9 (福井県大飯郡高浜町山中: lat. 35° 21'23"N, long. 135° 28'42"E, 下累層神野浦頁岩部層下部の頁岩 (内浦層群下累層)).

Bathynomus undecimspinosa, Karasawa, *et al.*, 1995, p.122, fig. 2 (upper stream of the Hidarimatagawa River, lower member of the Hidarimatagawa Formation, southwestern Hokkaido).-- 柄沢, 1997, p.72, pl. 30, figs. 2, 3, 7, 8 (備北層群, 朝ヶ屋層, 鳥取層群, 勝田層群, 東別所累層, 下累層, 益田層群: 中期中新世).

***Cirolana australiense* Naylor, 1961**

*Naylor, 1961, p.14, fig. 5.-- *Naylor, 1966, p.184.-- Bruce & Jones, 1981, p.82, fig. 8e (Hukuoka & Satsuma, Kyushu).-- 布村 [日海ブ], 1997a, p.1114 (鹿児島).

***Cirolana avida* Nunomura, 1988 ホヤスナホリムシ**

Nunomura, 1988b, p.9, figs. 1-2 (Hachijo I.).-- 布村 [検日海], 1995, p.220, fig. 21-201A (八丈島. 漁網にかかった魚などを食害する).-- 布村 [日海ブ], 1997a, p.1114, no. 2, pl. 7 (八丈島).

***Cirolana coronata* Bruce & Jones, 1981 トゲスナホリムシ**

Bruce & Jones, 1981, p.78, figs. 9-11 (off Tosa-shimuzi, Kochi Pref., Shikoku, 90m deep).-- 布村 [検日海], 1995, p.220.-- 布村 [日海ブ], 1997a, p.1114 (高知県).

***Cirolana harfordi japonica* Thielemann, 1910 ニセスナホリムシ**

Thielemann, 1910, p.11, figs. 5-7 (Fukuura & Ito, Sagami-bai; Pulo Pinang).-- 椎野 [原動大], 1961, p.125, pl.62 no.9 (我が国太平洋岸, 汀線の石の下, 岩礁の付着生物の間に群生).-- 椎野 [新日動], 1965, p.541, no.716 (わが国沿岸, 岩礁, 石の下面等に普通. 時に群生).-- 内海・西村・鈴木 [標原海], 1971, p.76, pl.25, no.1 (日本各地. 岩礁, 石の下にふつう).-- Bruce & Jones, 1981, p.77, fig. 8 (Sendai & Fukuoka, Kyushu) -- 西村 [学水動], 1981, pp. 97 & 281 (日本各地. 低潮線以下の岩礁).-- 武田 [原甲検], 1982, p.239, no.716 (本州から九州の太平洋岸. 岩礁の付着生物の間や石の下).-- Nunomura, 1981a, p.46 (Shichiba-no-gake, Cliff, Sawada-machi, Sado I., Niigata Pref.).-- Nunomura, 1985d, p.132 (Takatsuka; mouth of Joganji River; Hamakurosaki; Uchiide & off Ogi, all Toyama Bay).-- 布村, 1987, p.2 (大槌湾赤浜, 潮間帯転石).-- 布村 [検日海], 1995, p.220, pl. 82-1 (日本各地から韓国, マレーシア. 沿岸の岩礁の石の下に多い).-- 布村 [日海ブ], 1997a, p.1113, no. 1, pl. 7 (日本各地, 韓国, マレーシア. 潮間帯から浅海).-- Nunomura, 1999b, p.14 (Kaminato; Yokomagawa; Yakengahama; Taredo, Hachijo I.; Kamisuki, Yunohama; Sabigahama, Hijikata, Miyake I.; Ishijirokawa, Shikine I., Izu Is.). -- 布村, 1999b, p.33 (富山湾氷見海岸中波).-- Kwon, 1988, p.363, figs. 4A & B (Korea).-- 稲葉, 1988, p.137 (瀬戸内海全域).

***Cirolana lignicola* Nunomura, 1984 モクズスナホリムシ**

Nunomura, 1984b, p.45, figs. 1-2 (timber of 15cm×15cm×15cm demersed on the sea floor, 70m deep, lat. 31° 13' N, long. 126° 50'E).-- 布村 [検日海], 1995, p.220.-- 布村 [日海ブ], 1997a, p.1114, no. 3, pl. 7 (沖縄. 水深70mの海底の木材).

***Cirolana sadoensis* Nunomura, 1981 サドスナホリムシ**

Nunomura, 1981a, p.46, figs. 3-4, pl. 1A (Sawaneshichiba, Sawada-machi, Sado I., Niigata Pref., from driftwood, cast ashore while stormy weater).-- 齋藤・布村, 1995, p.27, figs. 2-4 (静岡県清水市三保海岸).-- 布村 [検日海], 1995, p.220.-- 布村 [日海ブ], 1997a, p.1114, no. 4, pl. 7 (新潟県佐渡島や静岡県の流木).

***Cirolana toyamaensis* Nunomura, 1982 トヤマスナホリムシ**

Nunomura, 1982b, p.24, figs. 1-4 (stump of *Acer* sp. submerged in the sea bottom, 22m deep, off Yoshihara, Nyuzen-machi, Toyama Pref.)-- Nunomura, 1985d, p.132 (22m deep, off Yoshihara, Nyuzen-machi, Toyama Pref.)-- 布村 [検日海], 1995, p.220.-- 布村 [日海ブ], 1997a, p.1114, no. 5, pl. 7 (富山湾の埋没林)-- Kwon, 1988, p.364 (Korea)-- Kim & Kwon, 1988a, p.202, figs. 3E-G (Cheju I., Korea).

***Cirolana* cf. *californica* Hansen**

Shimomura & Mawatari, 1999, p.48 (Katsuyama).

***Eurydice* *akiyamai* Nunomura, 1981 ヒガタスナホリムシ**

Nunomura, 1981b, p.7, figs. 1-2 (mudflat near high tide line in the estuary of Ichinomiya River, Chosei-mura, Chiba Pref.)-- 布村 [検日海], 1995, p.220, fig. 21-201F (東京湾の干潟)-- 布村 [日海ブ], 1997a, p.1114, no. 10, pl. 6 (東京湾).

***Eurydice* *longiantennata* Nunomura & Ikehara, 1985 ヒゲナガスナホリムシ**

Nunomura & Ikehara, 1985, p.52, figs.1-2 (Tobishima, Sakata City, Yamagata Pref.)-- 布村 [検日海], 1995, p. 220, fig. 21-201E (山形県飛鳥)-- 布村 [日海ブ], 1997a, p.1114, no. 9, pl. 6 (日本海).

***Eurydice* *nipponica* Bruce & Jones, 1981 ナギサスナホリムシ**

Bruce & Jones, 1981, p.67, figs. 2 & 3 (beaches around Kagoshima Pref.)-- 布村 [検日海], 1995, p.220.-- 布村 [日海ブ], 1997a, p.1115, no. 11, pl. 6 (九州各地).

***Exciorolana* *chiltoni* (Richardson, 1905) ヒメスナホリムシ**

Cirolana chiltoni Richardson, 1905, p.91, fig. 73 (San Francisco, California).

Cirolana chiltoni japonica, Thielemann, 1910, p.15, figs. 8-11 (Todohokke, Hokkaido).

Exciorolana chiltoni, *Richardson, 1912, p.201.-- *Monod, 1930 -- *Miller, 1961, p.142.-- *Enright, 1965, p.864.-- *Enright, 1971, p.332.-- *Enright, 1972, p.141.-- *Schultz, 1969, p.175, fig. 270.-- *Klapow, 1970, p.360, figs. 1-3, pl. 1.-- Bruce & Jones, 1981, p.70, figs. 4, 5, 6(a)-(d) (Fukuoka, Satsuma, Kagoshima, Miura)-- Nunomura, 1985c, p.111 (Enohama, Kagawa Pref., from intertidal zone)-- Nunomura, 1985d, p.132 (Hamakurosaki; Iwase; Amaharashi; Matsudehama; Shima; Yatsugasaki & Hane, all Toyama Bay)-- 布村, 1987, p.2 (七戻崎及び赤浜の砂浜, 吉里, 大槌湾)-- Nunomura, 1991b, p.41 (Zenibako, Otaru City; Horikappu, Tomari mura; Sakanoshita, Wakkanai City; east harbour of Tomakomai; Oshamanbe, all Hokkaido Pref.)-- 布村 [検日海], 1995, p.220, pl. 82-2 (日本各地, 千島列島, シベリア, 朝鮮半島~台湾, 北アメリカ西岸. 砂浜の汀線付近に多産)-- 布村 [日海ブ], 1997a, p.1115, no. 12, pl. 6 (日本各地, 千島列島, 朝鮮半島~台湾, シベリア, 北アメリカ西岸. 砂浜の汀線付近に多産)-- 布村, 1999b, p.33 (富山湾氷見海岸島尾)-- Kwon, 1988, p.357 (Korea)-- Kim & Kwon, 1988a, p.199, figs. 3A-D, 4 (Cheju I., Korea).

Exciorolana japonica, *Richardson, 1912, p.201.-- *Monod, 1930, p.180.-- *Kussakin, 1955, p.232, fig. 4.-- *Kussakin, 1956, p.114.-- Kussakin, 1975, p.66 (intertidal zone of Kuril Is.)-- Shimoizumi, 1983, p.53, figs. 1-4.

Cirolana chiltoni var. *vancouverensis*, *Fee, 1927 -- *Schultz, 1969.

Exciorolana (*Pontogeroidea*) *japonica*, *Monod, 1930.-- 内海 [原海動], 1956, p.55, pl.27, no.10 (本州各地, 台湾. 砂浜の波打際, 砂中に浅く潜入)-- 椎野 [新日動], 1965, p.541, no.717 (北海道以南の沿岸に普通. 砂浜の砂中に生息)-- Kussakin, 1974, p.228, fig. 2 (intertidal zone of Kurile Is.)-- Kussakin, 1979a, p.186, figs. 67-70.-- Nunomura, 1981a, p.49 (Umezuhara, Ryotsu City; Kawaharada, Sawada-machi, both Sado I., Niigata Pref.).

Exciorolana (*Pontogeroidea*) *chiltoni*, Kussakin, 1979a, p.184, figs. 65-66.

Exciorolana chiltoni japonica, 岩佐 [旧日動], 1957, p.813, fig. 2342 (北海道より台湾に至る各地の砂浜)-- 岩佐, 1965, p.57 (基隆旧港, 台湾)-- 稲葉, 1988, p.137 (瀬戸内海全域).

Exciorolana kincardi, *Schultz, 1969.-- *Monod, 1976.

***Metacirolana* *costata* Nunomura, 1999 リュウコツスナホリムシモドキ**

Nunomura, 1999b, p.14, fig. 4 (Itani-Ofunato, Miyake I., Izu Is.).

***Metacirolana* *japonica* (Hansen, 1890) ニホンスナホリムシモドキ**

Cirolana japonica *Hansen, 1890, p.349, pl. 4, fig. 2-21.-- Thielemann, 1910, p.15 (von Tokio)-- *Tattersall, 1921, p.208, pl. 2, figs. 11-16.-- *Monod, 1930, p.142.

Metacirolana japonina, *Nierstrasz, 1931, p.162.-- *Hurley, 1961, p.267.-- Kussakin, 1979a, p.213, fig. 89.-- 布村 [日海ブ], 1997a, p.1115, no. 13, pl. 5 (北海道以北).

***Natatolana albicauda* (Nunomura, 1985) オジロスナホリムシ**

Cirolana albicauda Nunomura, 1985b, p.73, figs. 1-2 (gill net, sea surface, off Owase City, Mie Pref., lat. 34° 03.25'N, long. 136° 17.71'E., Kumano-nada).

Natatolana albicauda, 布村 [検日海], 1995, p.220, fig. 21-201B (三重県の熊野灘).-- 布村 [日海ブ], 1997a, p. 1114, no. 7, pl. 6 (三重県から静岡県).-- 齋藤, 1996, p.87, figs. 1-2 (駿河湾).

***Natatolana albicaudata japonica* (Thielemann, 1910)**

Cirolana albicaudata japonica Thielemann, 1910, p.8, figs. 1-4 (Sagamibucht, lat. 35° 10'30"N, long. 139° 32'45" E).

***Natatolana japonensis* (Richardson, 1904) ヤマトスナホリムシ**

Cirolana japonensis Richardson, 1904, p.35, figs. 3-5 (Yokkaichi).-- Thielemann, 1910 p.8 (Yokkaichi).-- Gurjanova, 1936b, p.67, fig. 29 (Jokkaichi, Japan).-- 岩佐 [旧日動], 1957, p.813, fig. 2341 (本州の太平洋及び日本海沿岸の各地に於いて10~450mの深さより知られる).-- *岩佐, 1965, p.57, no. 11 (朝鮮海峡).-- Iwasa, 1965, p.13, 14, 18, 19.-- 椎野 [新日動], 1965, p.541, no.715 (本州両岸の10~500mの深さの海底).-- *Kim, *et al.*, 1981, p.283.-- Ohta, 1983, p.228 (Suruga Bay, 76-305m deep, 18 trawls).-- Nunomura, 1985c, p.111 (Nishiwaki, Kagawa Pref., from subtidal zone).-- 布村, 1987, p.2 (浪ノ助沖64m, 大槌湾).-- Kwon, 1988, p.366, figs. 4C-E.-- 稲葉, 1988, p. 137 (瀬戸内海全域).

Natatolana japonensis, *Bruce, 1981, p.958.-- *Bruce, p.1986, p.222.-- 布村 [検日海], 1995, p.220, fig. 21-201 D.-- 布村 [日海ブ], 1997a, p.1114, no. 6, pl. 6 (日本各地.500m以浅).-- Keable, 1996, p.8, figs. 1-3 (Holotype: Yokkaichi Light, lat. 35° 02'N, long. 136° 40'E; Hakodate, lat. 41° 46'N, long. 140° 44'E, gill net, 60-70m; off Iwase, Toyama City, lat. 36° 43.6'N, long. 137° 14.7'E).

Natatolana miyamotoi アリソモモブトスナホリムシ, Nunomura, 1991c, p.45, figs. 1-2 (20m deep, off Iwase, Toyama Pref.).-- 布村 [検日海], 1995, p.220, fig. 21-201C (富山市20m深の海底).-- 布村 [日海ブ], 1997a, p.1114, no. 8, pl. 6 (富山湾).

***Cirolanidae* sp.**

Ohta, 1983, p.228 (Suruga Bay, 128-373m deep, 3 trawls).

Family Corallanidae : ニセウオノエ科 (エビノコバン科)

***Alcirona niponica* Richardson, 1909**

Richardson, 1909, p.78, fig.6 (eastern channel of Korea Strait, vicinity of Oki Shima (lat. 34° 17'N, long. 130° 15'E), 59 fathoms deep, in fine gray sand & broken shells).

***Argathona japonica* Shiino, 1961 ニセウオノエ**

Shiino, 1961, p.93, figs. 1-2 (Okinoyama, 85-95m deep, Orte, 80m deep Sagami Bay).-- 椎野 [新日動], 1965, p. 542, no.719 (相模湾深部).-- 布村 [検日海], 1995, p.221 (日本の深海).

***Excorallana yamamuroae* Nunomura, 1988 ヒメキバウオノエ**

Nunomura, 1988c, p.13, figs. 1-2 (Lake Kai-ike, Kamikoshiki I., Kagoshima Pref.).-- 布村 [検日海], 1995, p.221, fig. 21-201G (鹿児島県甌島).-- 布村 [日海ブ], 1997a, p.1115 (鹿児島県甌島).

***Excorallana yaeyamana* Nunomura, 1994 ヤエヤマキバウオノエ**

Excorallana[sic.] yaeyamana Nunomura, 1994b, p.7, figs. 1-2 (Isigaki I., Yaeyama Is., Okinawa Pref., Host: body surface of the fish, *Plectropomus leopardus* (Laceped)).

Excorallana yaeyamaensis, 布村 [検日海], 1995, p.221.

***Tachea chinensis* Thielemann, 1910 エビノコバン**

Thielemann, 1910, p.19, figs. 12-20 (Shanghai).-- 岩佐 [旧日動], 1957, p.813, fig. 2344 (本邦各地の池沼に産するスジエビ其の他の淡水産蝦の外面上に付着して生活).-- 椎野 [新日動], 1965, p.542, no.720 (わが国陸水産, シナの湖沼

にも分布。Host: スジエビ等陸水エビ類の体表に付着)。-- 松本 [日淡生], 1973, p.475, fig. 20-73(1) (日本各地。スジエビなどの淡水産のエビ類の体表に外部寄生)。-- 布村 [検日海], 1995, p.221 (日本の淡水)。-- 布村, 1993, p.87.

***Tridentella cornuta* Kussakin, 1979**

Kussakin, 1979a, p.228, figs. 100-101 (the Sea of Japan).

***Tridentella japonica* Thielemann, 1910**

Thielemann, 1910, p.22, figs. 21-27 (Sagamibucht: lat. 35° 01'N, long. 139° 33'20"E, 600 m deep).

Tridentella sculpturata Kussakin, 1955

*Kussakin, 1955, p.228, figs. 1-3.-- Kussakin, 1979a, p.225, figs. 97-99 (the Sea of Japan).

Family Cymothoidae : ウオノエ科 (タイノエ科)

***Codonophilus oxyrhynchaenus* (Koelbel, 1879) ソコウオノエ**

Ceratothoa oxyrhynchaena *Koelbel, 1879, p.401, tab. A, figs. 1a-1e.-- *Schioedte & Meinert, 1883, p.368.

Meinertia oxyrhynchaena, Thielemann, 1910, p.36, figs. 35-36, tafelfig. 10-15 (Misaki, Sagamibai; Boshu in 120 m).-- Gurjanova, 1936b, p.84, fig. 41 (the Sea of Japan).-- 岩佐 [旧日動], 1957, p.816, no.2351 (魚類の口腔に寄生す).

Codonophilus oxyrhynchaenus, 椎野 [新日動], 1965, p.544, no.728 (諸種の深海魚類の口腔に寄生).

***Codonophilus trigonocephalus* (Leach, 1818) シマアジノエ**

Cymothoa trigonocephala *Leach, 1818, p.353.-- *Milne-Edwardsi, 1840, p.272.-- *De Haan, 1850, p.227.-- *Haswell, 1881, p.148.

Ceratothoa trigonocephala, *Schioedte & Meinert, 1883, p.358.-- *Haswell, 1882, p.282.

Meinertia trigonocephala, *Stebbing, 1893.-- Richardson, 1904, p.46 (Nagasaki; Hizen; Misaki, Sagami).-- Richardson, 1909, p.87 (Tanegashima).-- Thielemann, 1910, p.35 (Sagamibai).

Codonophilus trigonocephalus, *Nierstrasz, 1931.-- 椎野, 1951, p.82, fig. 1C&D (和歌山県白浜日高沖, Host: *Caranx (Longirostrum) delicatissimus* 口腔).-- 椎野 [新日動], 1965, p.544, no.729 (インド・太平洋種, 琉球・シナ海・オーストラリア等. Host: *Caranx (Longirostrum) delicatissimus* シマアジの口腔に寄生).-- 西村 [学水動], 1981, pp.97 & 250 (南日本・西太平洋・インド洋. ムロアジ・シマアジ類の口の中に寄生).

***Cymothoa eremita* Bruennich, 1783 ウオノエ**

Oniscus Oestrana *Spengler, Besch, Berl, Ges, Naturf, Fr., p.308.

Oniscus eremita *Bruennich, 1783?, p.319.

Cymothoa Stromatei Bleeker, 1857, p.35.

Cymothoa eremita *Schioedte & Meinert, 1884, p.259.-- Thielemann, 1910, p.39, figs. 37-38, tafelfigs. 16-21.-- *Monod, 1934.-- 岩佐 [旧日動], 1957, p.816, fig. 2350 (魚類の口腔に寄生し, 其の成長度と寄生の部位により外形には可成りの変化あり, 眼は時々消失す).-- 椎野, 1951, p.85, fig. 2B&C (静岡県若松沖, Host: *Aulopus japonicus* (Gunther) 口腔).-- 椎野 [新日動], 1965, p.544, no.726 (インド洋・太平洋に分布. わが国沿岸にすむ諸種の魚の口腔に寄生).

***Cymothoa pulchra* Lanchester, 1902**

Cymothoa pulchrum *Lanchester, 1902.

Cymothoa pulchra, *Nierstrasz, 1915.-- *Nierstrasz, 1931 -- *Monod, 1924.-- 1934.-- 椎野, 1951, p.84, fig. 4 (千葉県小湊, Host: *Diodon holacanthus* Linnaeus 口腔).

***Glossobius ogasawarensis* Nunomura, 1992 トビウオノエ**

Nunomura, 1992d, p.41, figs. 5-6 (Host: mouth of exocoetid fish, *Cypselurus angusticeps*, near Kitaiou-jima, lat. 25° 26'N, long. 141° 17'E).

***Ichthyoxenus amurensis* (Gerstieidt, 1858)**

Cymothoa amurensis *Gerstieidt, 1858, p.18.-- Thielemann, 1910, p.41 (Yokohama, Host: *L. Raynaudii* Milne-Edwards).

Livoneca amurensis, Miers, 1877, p.676, pl. 69, fig. 4.-- Gurjanova, 1936, p.87, fig. 42.-- *Axmepob, 1941, p. 42.-- *Axmepob, 1948, p.225.

Livoneca daurica Miers, 1877, p.676.-- Thielemann, 1910, p.41.

Ichthyoxenus amurensis, Kussakin, 1979a, p.291, figs. 156-158.-- Kussakin, 1979b, p.120 (Okhotsk Sea).

***Ichthyoxenus japonensis* Richardson, 1913 タナゴヤドリムシ**

*Richardson, 1913.-- 石井, 1917, p.3, pl. 1, figs. 5-8, 11, 13 (琵琶湖, Hosts: *Acheilognathus tabira* Jordan & Thompson, *Acheilognathus cyanostigma* (Jordan & Fowler) & *Acheilognathus rhombeus* (Schlegel)).-- *原田, 1936.-- 椎野, 1951, p.87, fig. 2D&E (大津, Host: *Acheilognathus* sp. 腹腔内).-- 椎野 [新日動], 1965, p.545, no. 730 (日本湖沼のほか, 台湾・中国にも分布. Hosts: モロコ, ヤリタナゴ, カネヒラ, アブラボテ, タビラ等淡水魚の腹腔内).-- 岩佐 [旧日動], 1957, p.817, fig. 2352 (本州・台湾及び中国に於てタナゴ・鮒等の淡水魚の胸鰭の後方に穴を穿けて侵入).-- 松本 [日淡水], 1973, p.475, fig. 20-73(2) (日本の淡水. モロコ, ヤリタナゴ, カネヒラ, アブラボテ, タビラなどの淡水魚の胸鰭の基部後方に腔孔を穿って侵入し, 薄い腹膜囊の中に寄生).-- 布村, 1993, p.87

***Ichthyoxenus opisthopterygium* Ishii, 1916**

Ichthyoxenus opisthopterygium Ishii, 1916, p.125, figs. 1-10 (Hikone, Lake Biwa, Host: in the abdominal cavity of *Acheilognathus tabira* Jordan & Thompson).-- 松本 [日淡水], 1973, p.475 (日本の淡水. モロコ, ヤリタナゴ, カネヒラ, アブラボテ, タビラなどの淡水魚の胸鰭の基部後方に腔孔を穿って侵入し, 薄い腹膜囊の中に寄生).

Ichthyoxenus opisthopterygium[sic.], 石井, 1917, p.3, pl. 1, figs. 2-4, 9-10, 12, 14 (琵琶湖, Host: *Acheilognathus tabira* Jordan & Thompson).

***Indusa minabensis* Shiino, 1951**

椎野, 1951, p.83, fig. 3 (和歌山県南部沖, Host *Chaunax fimbriatus* (Hilgendorf)フサアンコウの鰓腔内).-- 山本, 1991, p.12, figs. 2-3 (沖縄西方大陸大陸斜面, lat. 27° 20.9'N, long. 126° 02.4'E, Host: *Chaunax abei* La Danois ミドリフサアンコウ: 全長148mmの背部右側筋膜下).

***Livoneca caudata* Schioedte & Meinert, 1884**

*Schioedte & Meinert, 1884, p.360, pl. 15, figs. 1-2.-- Thielemann, 1910, p.42, taf. 22-27 (Fukuura, Sagami bay).-- Gurjanova, 1936b, p.93, fig. 49 (Japan).-- Kussakin, 1979a, p.304, fig. 173.-- Kussakin, 1979b, p.120 (Okhotsk Sea).

***Livoneca epimerias* Richardson, 1909**

Richardson, 1909, p.88, fig. 13 (Hakodate).-- Gurjanova, 1936b, p.91, fig. 46 (the Sea of Japan).-- Kussakin, 1979a, p.301, figs. 169-170.

***Livoneca ochotensis* Kussakin, 1979**

Livoneca ochotensis Kussakin, 1979a, p.302, figs. 171-172 (Okhotsk Sea).

Livoneca raynaudii, Gurjanova, 1936b, p.88, fig. 43 (Okhotsk Sea, parts).

***Livoneca propinqua* Richardson, 1904**

Richardson, 1904, p.37, figs. 6-7 (Port Heda).-- Richardson, 1909, p.87 (Ose saki (lat. 35° 06'N, long. 138° 40' 10"E); Kobe to Yokohama, at Shio misaki light (lat. 33° 25'10"N, long. 135° 37'20"E), 117-244 fathom deep, brown mud, sand & foraminifera, Host: mouth cavity of *Chalinura*).-- Thielemann, 1910, p.42 (Heda).-- Gurjanova, 1936b, p.89, fig. 44 (Japan; the Sea of Japan, lat. 36° 06'N, long. 138° 40'E; lat. 33° 25'N, long. 135° 37'E, 380-480m deep).

***Livoneca raynaudii* Milne-Edwards, 1840**

Livoneca Raynaudii *H. Mile-Edwards, 1840, p.262.-- *Schioedte & Meinert, 1884, p.367, tab. 15, figs. 9-10.-- Thielemann, 1910, p.42 (Yokohama).

Livoneca novae-zelandice *Miers, 1876, p.228.

Livoneca raynaudii, Gurjanova, 1936b, p.88, fig. 43 (Okhotsk Sea).

***Livoneca sacciger* Richardson, 1909 ホラアナゴノエ**

Livoneca sacciger Richardson, 1909, p.37, fig. 12 (Kagoshima, Kagoshima gulf to Kobe, by way of Bungo channel & Inland Sea at Mizimoko shima light (lat. 32° 36'N, long. 132° 23'E), 437 fathoms deep, in greenish-brown

mud, fine gray sand & foraminifera; south coast of Hokkaido (lat. 42° 10'40"N, long. 142° 14'E), 309 fathoms deep; Host: mouth cavity of *Synaphobranchus*).-- Gurjanova, 1936b, p.90, fig. 45 (the Sea of Japan, lat. 42° 10'N, long. 142°14'E, 618m deep).-- 椎野, 1951, p.86, fig. 2A (室蘭沖; 厚岸沖, 北海道, Host: *Synaphobranchus pinnats* (Gronow) 口腔).-- 椎野 [新日動], 1965, p.544, no.727 (北海道・豊後水道の深所からえられる, *Synaphobranchus pinnats*ホラアナゴの口腔に寄生).-- Kussakin, 1979a, p.300, fig. 168 (Japan).
? *Lironeca* aff. *sacciger*, Nunomura, 1985d, p.133 (Himi, Toyama Bay).

***Livoneca samariscii* Shiino, 1951**

椎野, 1951, p.86, fig. 5 (高知, Host: *Samariscus japonicus* Kamohara 鰓腔).

***Livoneca sinuata* Koelbel, 1878**

*Koelbel, 1878, p.6, tab. 1, figs. 5a-5d.-- *Schioedte & Meinert, 1881-83, p.378, tab. 16, figs. 7-9.-- *Mosella, 1920, p.1, pl. 1.-- *Monod, 1924, p.73.-- *Kussakin, 1969, p.418, pl. 3-4.-- Kussakin, 1979a, p.294, fig. 159 (the Sea of Japan).

***Livoneca* sp.1 Nunomura & Ikehara, 1985**

Livoneca sp. 1 Nunomura & Ikehara, 1985, p.55, fig 3 (off Akadomari, Sado, lat. 37° 56'N, long. 137° 50'E, from floating weeds).

***Livoneca* sp.2 Nunomura & Ikehara, 1985**

Livoneca sp. 2 Nunomura & Ikehara, 1985, p.56, figs 4-5 (off Ogi, Uchiura-cho, Ishikawa Pref., lat. 37° 54.3'N, long. 137° 18.0'E, from floating weeds).

***Livoneca* sp. Nunomura, 1981**

Nunomura, 1981a, p.53, figs 8-9, pl. 1C (Tassya, Aikawa-machi, Sado I., Niigata Pref., host unknown).

***Livoneca* sp.**

Livoneca sp. 布村, 1999b, p.33 (富山湾氷見沖).

***Meinertia* sp. Nunomura 1981**

Nunomura, 1981c, p.17, fig. 2 (the East China Sea, Net 56: lat. 27° 42'N, long. 126° 06' to lat. 27° 45'N, long. 126° 08'E, 125m deep).

***Mothocya katoi* Nunomura 1992 トビウオヤドリムシ**

Nunomura, 1992d, p.38, figs. 3-4 (Host: mouth of exocoetid fish, *Parexocoetus brachypterus brachypterus* (Richardson), Bonin Is.).

***Mothocya melanosticta* (Schioedte & Meinert, 1884)**

Irona melanosticta *Schioedte & Meinert, 1884, p.388, tab. 17, pl. 17, figs. 3-5 (part).

Mothocya melanosticta, Bruce, 1986, p.1130, figs. 23-24 (Naha, Okinawa Pref., Host: *Parexocoetus brachypterus*).-- Nunomura, 1992d, p.35, figs. 1-2 (Host: mouth of *Parexocoetus brachypterus*, off Bonin Is.).

***Mothocya parvostis* Bruce, 1986**

Irona melanosticta, 畑井・安元, 1980, p.87, pl. 1-2 (長崎県下ブリ養殖場. Host: ブリの幼魚“モジャコ”の鰓腔内=イローナ症).-- 畑井・安元, 1981, p.77 (長崎県下の海域, Host: ブリ稚魚採捕漁船(通称モジャコ船)により採集されたブリ稚魚; 長崎県水産試験場試験生簀周辺, Host: メジナ稚魚) -- 畑井・安元, 1982a, p.75 (野母湾内長崎県水産試験場増養殖研究所の魚類養殖生簀周辺, Host: メジナ幼魚)-- 畑井・安元, 1982b, p.147 (長崎県水試増養殖研究所の試験生簀周辺. Host: メジナ).

Mothocya parvostis Bruce, 1986, p.1105, figs. 6-7 (Horioka, Shinminato City, Toyama Pref., Host: *Hyporhamphus sajori*; vicinity of Nagasaki, Kyushu, Hosts: Cage-cultured fingerling *Seriola quinqueradiata* & *Girella puctata*).-- 布村, 1987, p.2 (釜石市産サヨリ).-- 布村 [検日海], 1995, p.222 (日本のサヨリの鰓腔).

***Mothocya sajori* Bruce, 1986 サヨリヤドリムシ**

Irona melanosticta *Schioedte & Meinert, 1884, p.388 (part).-- Thielemann, 1910, p.45, tafelfigs. 28-29 (Yokohama, no host).-- 平岩, 1934, p.382, fig. 2 (廣島近海. Host: *Hyporhamphus sajori* (Trmmineck & Schlegel) 鰓腔).-- Gurjanova, 1936b, p.94, fig. 50 (the Sea of Japan & Japan).-- Inouye, 1941, p.219, figs. 1-14, pl. 1 (Eba & Oko, Udina, & Kusatsu, in Hiroshima Bay; Tomo in Hiroshima Pref., Osima-mura in Okayama Pref., & Reisui

in Korea, Host: *Hyporhamphus sajori* (Trmmnick & Schlegel).-- 椎野, 1951, p.87, fig. 1E&F (浅虫茂浦沖, Host: *Hyporhamphus sajori* (Trmmnick & Schlegel) 口腔).-- 椎野 [新日動], 1965, p.545, no. 731 (わが国のほか, オーストラリア・南アフリカ・カナダに分布. Host: わが国では*Hyporhamphus sajori*サヨリの鰓腔内).-- ? 小川, 1952, p. 290, fig. 1 (石川県七尾湾で漁獲されたサヨリの鰓蓋骨内側).-- ? 服部・関, 1956, p.422 (久里浜・浦安・大津・鎌倉から採集されたサヨリ*Hyporhamphus sajori*).-- Nunomura, 1981a, p.55 (Sado I., Niigata Pref., Host: *Hemiramphus sajori* of 35cm BL).-- ? 和田, 1982, p.3, fig. 1 (北海道から千島列島から漁獲されたサンマの鰓腔内).-- ? 長澤, 1984, p.60, fig. 6 (北海道から千島列島から漁獲されたサンマの鰓腔内).-- ? 稲葉, 1988, p.136 (瀬戸内海全域, Host: mouth cavity of *Hemiramphus* サヨリ & *Seriola* プリ稚魚).

Mothocya sajori Bruce, 1986, p.1143, fig. 30 (Tokyo Fish Market; Matsushima, Rikuzen; Hakata Bay, Kyushu, Host: *Hyporhamphus sajori* taken in Japanese waters).-- 布村 [検日海], 1995, p.221, fig. 21-201J (日本近海のサヨリの鰓腔に寄生).-- 布村 [日海ブ], 1997a, p.1115 (日本沿岸).

?*Mothocya* sp. (aff. *sajori* Bruce, 1986) ♀, 布村, 1987, p.2 (大槌湾赤浜岸壁産のサヨリ).

Irona sp. Nunomura, 1981a, p.55, fig. 10 (off Tassya, Aikawa-machi, Sado I., Niigata Pref., Host: body surface of *Hemiramphus sajori*).

?*Mothocya* cf. *melanosticta*, Shimomura & Mawatari, 1999, p.48 (Tokyo im mud sayori).

***Mothocya toyamaensis* Nunomura, 1993 トヤマウオノエ**

Nunomura, 1993a, p.7, figs. 1-2 (off Mizuhashi, Toyama City, Toyama Pref., host unknown, 20m deep).

***Mothocya* sp.**

Irona melanosticta, Thielemann, 1910, p.45, tafelfigs. 28-29 (Okayama, Host: *Belone* sp.).

***Mothocya* sp.**

?Kussakin, 1979a, p.308, figs. 174-175 (the Sea of Japan, Hosts: *Belone* sp., *Hemiramphus sajori*).

***Mothocya* sp.**

?森, 1996, p.57, fig. (和歌山県串本町, Host: キヌバリの口内).

***Mothocya* sp.**

Nunomura, 1985d, p.133 (Horioka, Toyama Bay).

***Nerocila acuminata* Schioedte & Meinert, 1881 ウオノコバン**

Nerocila acuminata *Schioedte & Meinert, 1881, p.48, pl. 3, figs. 5-6.-- *Richardson, 1900, p.220.-- *Richardson, 1901, p.527.-- *Richardson, 1902, p.291.-- Richardson, 1905, p.220, figs. 222-223.-- 岩佐 [旧日動], 1957, p.815, fig. 2348 (魚類に付着す).-- 岩佐, 1965, p.57 (基隆旧港, 台湾).-- 椎野 [新日動], 1965, p.543, no.724 (太平洋・大西洋に分布. わが国に陸揚げされる諸種の回遊魚の体表, ひれなどに胸肢により懸着寄生).-- *Schultz, 1969, p.152, fig. 225.-- *Brusca, 1978.-- *Brusca, 1981.-- *Williams & Williams, 1978.-- Kussakin, 1979a, p.278, fig. 143.-- Nunomura, 1981a, p.52 (Sumiyoshi, Ryotsu City; off Akitsu, Lake Kamoko; Tassya, Aikawa-machi, Sado I., Niigata Pref., Host: body surface of the fish *Leuciscus (Tribolodon) hakonensis*).-- Nunomura, 1985d, p.133 (Kokufu & Ao, Host: *Acanthogobius flavimanus* (Temminck & Schlegel), both Toyama Bay).

Nerocila californica, *Schioedte & Meinert, 1881, p.72, pl. 5, figs. 12-13, pl. 6, figs. 1-2 -- *Richardson, 1899, p.830.-- *Richardson, 1899, p.172.-- *Richardson, 1900, p.220.-- Richardson, 1905, p.221, figs. 224-226.-- *Hale, 1926 -- *Gurjanova, 1936a.-- Kussakin, 1979a, p.276, fig. 142.

?*Nerocila* cf. *acuminata*, Shimomura & Mawatari, 1999, p.49 (Tokio).

***Nerocila japonica* Schioedte & Meinert, 1881**

*Schioedte & Meinert, 1881, p.20, tab. 2, figs. 1-2.-- Thielemann, 1910, p.33.-- Gurjanova, 1936b, p.82, fig. 39 (the Sea of Japan).

***Nerocila phaeopleura* Bleeker, 1875 イワシノコバン**

Nerocila phaeopleura, 三谷, 1982, p.611, figs. 3 & 6 (神奈川県金田湾東京湾口西側海域, Host: *Sardinops melamosticta* マイワシ).

***Nerocila* sp. (Aegathoid stage)**

Aegathoa oculata, 岩佐 [旧日動], 1957, p.816, fig. 2349 (南方の暖海に産す).-- 岩佐, 1965, p.57 (基隆旧港, 台湾).

Aegathoa cf. *oculata*, Shimomura & Mawatari, 1999, p.49 (Fant von iwashi, Tokio).

***Nerocila* sp. (Aegathoid stage)**

Aegathoa honmai ホソウオノエ Nunomura, 1981a, p.50, fig. 6, pl. 1B (Lake Kamoko, Sado I., Niigata Pref., from fixed shore net, caught together with gobies and japaneses bitterings).

***Nerocila* sp. (Aegathoid stage)**

Aegathoa sp., Nunomura, 1985d, p.133 (Ao, Toyama Bay).

***Nerocila* sp. (Aegathoid stage)**

Aegathoa (?) sp., Kikuchi, 1968, p.177, no. 232 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt, Host: *Fugu niphobles*).

***Nerocila* sp. (Aegathoid stage)**

Aegathoa sp., 布村, 1999b, p.33 (富山湾氷見海岸阿尾).

***Oniscus suffocator* Tilesius, 1844**

*Tilesius in Tilenau, 1844, p.15.-- Thielemann, 1910, p.44 (Nagasaki).

***Rhexanella verrucosa* (Schioedte & Meinert, 1883) タイノエ**

Oniscus Ceti Spengler, Besch, Berl, Ges, Naturf, Fr., p.308.

Rhexana verrucosa *Schioedte & Meinert, 1883, p.291, p.11, figs. 5-6.-- Thielemann, 1910, p.34, tafelfigs. 3-7 (Ito & Hatsushima, Sagamibai).-- 平岩, 1934, p.380, fig. 1 (熊本県天草富岡・下忠海. Host: *Pagrosomus major* (Temmonck & Schlegel) マダイ口腔).-- Sanada, 1941, p.209 (the Inland Sea, Host: *Pagrosomus major* (Temmonck & Schlegel)).

Rhexanella verrucosa, *Nierstrasz, 1931 -- 椎野, 1951, p.83, fig. 1A&B (和歌山県白浜; 千葉県銚子沖, Host: *Pagrosomus major* (Temmonck & Schlegel) マダイ口腔).-- 椎野 [原動大], 1961, p.125, pl. 62, no. 10 (我が国沿岸に極めて普通. タイ科魚類の口腔に寄生).-- 椎野 [新日動], 1965, p.543, no. 725 (わが国沿岸に普通. タイ類の口腔に寄生).-- 武田 [原甲検], 1982, p.238, no.715 (日本各地. タイの口腔内).-- Nunomura, 1981a, p.52 (Tassya, Aikawa-machi, Sado I., Niigata Pref., Host: *Pagrus major*).-- Nunomura, 1985d, p.133 (Mizuhashi; off Iwase; off Shinminato, Host: *Pagrus major* (Temminck & Schlegel), all Toyama Bay).-- 布村 [検日海], 1995, p.222 (タイ類の口腔).-- 布村 [日海ブ], 1997a, p.1115 (本邦沿岸).-- 稲葉, 1988, p.137 (瀬戸内海全域, Host: mouth cavity of Sparid fishタイ科魚類).

? *Ceratothoa* cf. *verrucosa*, Shimomura & Mawatari, 1999, p.49 (Akadai, Tokyo).

***Rhexanella* sp. Nunomura, 1981**

Nunomura, 1981a, p.52, fig. 7, pl. 1C (Ryotsu Bay, Ryotsu City, Sado I., Niigata Pref., Hosts: *Pleurogrammus azomus* Jordan & Metz & *Sebastes baramenuke* (Wakiya), by gill net).

Jugendform A Thielemann, 1910

Thielemann, 1910, p.46, fig. 39 (Misaki, Sagamibai, 50 m).

Jugendform B Thielemann, 1910

Thielemann, 1910, p.48, fig. 40 (Japan).

Cymothoidae sp.

齋藤・大池, 1998, p.3, figs. 1-2 (愛知県豊橋市高塚町高塚に打ち上げられた *Dermochelys coriacea* オサガメの消化管内).

Family Limnoriidae : キクイムシ科

***Limnoria andrewsi* Calman, 1910** アンドリュウスキクイムシ

*Calmann, 1910, p.184, pl. 5.-- *Kofoid & others, 1927, p.306.-- 椎野, 1944a, p.6, figs. 4-6 (三崎).-- Shiino, 1950b p.341, figs. 4-6 (Misaki).-- 椎野, 1950, p.467.-- 椎野, 1958a, p.140.-- 椎野, 1958b, p.154.-- 椎野 [新日動], 1965, p.545, no.733 (わが国太平洋産せん孔種, ハワイ・サモア・クリスマス諸島に分布).-- 布村 [検日海], 1995, p.226.

***Limnoria borealis* Kussakin, 1963**

Limnoria lignorum (non Rathke), *Дерюгин, 1915, p.143, 435.-- *Дерюгин, 1928, p.271.-- *Гурвич, 1931, p.184.-- *Gurjanova, 1932, p.89.-- *Gurjanova, 1936a, p.97.-- *Бухалова & Дмитриев, 1944, p.119.-- *Рябчиков, 1957, 131, 150 n dp.

Limnoria japonica (non Richardson), *Burnel, 1962, p.52.

Limnoria borealis *Kussakin, 1963, p.287, figs. d-f, 5, 6.-- Kussakin, 1979a, p.325, figs. 191-193 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 18-235m deep).

***Limnoria lignorum* (Rathke, 1799) キクイムシ**

Cymothoa lignorum *Rathke, 1799, p.101, pl. 3, fig. 14a-d.

Limnoria terebrans *Leach, 1813, p.433.-- *Leach, 1815, p.37.-- *Leach, 1818, p.353.-- *Leach, 1834, p.316, pl. 6.-- *Desmarest, 1825, p.312.-- *Latreille, 1829, p.135.-- *Edwards, 1838, p.276.-- *Edwards, 1840, p.145.-- *Edwards, 1841, pp.338, 354.-- *Edwards, 1849, p.197, pl. 67, fig. 5.-- *Andrews, 1875, p.332.

Limnoria lignorum, *White, 1857, p.227, pl. 12, fig. 5.-- *White, 1929, p.9.-- *Bate, 1861, p.225.-- *Bate & Westwood, 1868, p.351.-- *Norman, 1869, p.288.-- *Verrill, 1874, p.133.-- *Verrill, 1874, p.371.-- *Harger, with Verrill, 1873, pp.379, 571, pl. 6, fig. 25.-- *Stebbing, 1874, p.8.-- *Stebbing, 1876, p.79.-- *Harger, 1879, p.161.-- *Harger, 1880, p.373, pl. 9, figs. 55-57.-- *Smith, 1879, p.232, fig. 2.-- *Hoek, 1893, 103 pp., 7 pls.-- *Calman, 1898, p.261.-- *Calman, 1919, p.17.-- *Calman, 1921, p.23, pl. 1.-- *G. O. Sars, 1899, p.76, pl. 31.-- *Richardson, 1899, p.821.-- *Richardson, 1899, p.161.-- *Richardson, 1900, p.222.-- *Richardson, 1901, p.532.-- Richardson, 1905, p.269, figs. 279-281.-- *Whittelegge, 1901, p.113.-- *Norman, 1907, p.376.-- *Zirwas, 1910, p.87.-- *Stafford, 1912, pp.52 & 60.-- *Chilton, 1914, pp.380 & 443.-- *Chilton, 1916, p.209.-- *Dahl, 1916, p.28.-- *Fraser, 1923, p.159.-- *Henderson, 1924, p.1.-- *MacGonigle, 1925, p.1.-- *Atwood & Jonson, 1924, p.21.-- *Free, 1926, p.27.-- *Kofoid & other, 1927, p.306.-- *Nierstrasz & Stekhoven, 1930, p.79.-- *Gurjanova, 1932, p.89, pl. 33 139.-- *Gurjanova, 1933, p.432.-- Gurjanova, 1936b, p.97, fig. 51 (the Sea of Japan).-- *Omer-Cooper, 1934.-- *Johnson, 1935, p.427, tab. 1-4.-- *Johnson & Miller, 1935, p.10, 17.-- *Guberlet, 1936, p.337.-- *Somme, 1940, p.145.-- 椎野, 1944a, p.1, figs. 1-3 (厚岸).-- Shiino, 1950b, p.234, figs. 1-3 (Akkeshi).-- 椎野, 1950, p.466.-- 椎野, 1958a, p.138.-- 椎野, 1958b, p.153.-- 椎野 [原動大], 1961, p.125, pl.62, no.8 (我国沿岸のみならず, 広く五大洋に分布し, その被害はおそるべきものがある. 海中に立つ木材を食害し, その中に穿孔する).-- 椎野 [新日動], 1965, p.545, no. 732 (わが国沿岸に普通, 世界共通種. 海中に設置された木材をかみくだき, せん孔して坑道中にすむ).-- *Hatch, 1947, p.211, fig. 81.-- *Stehenson, 1948, p.48.-- *Holthuis, 1949, p.167.-- *Holthuis, 1956, p.51.-- *Menzies, 1957, p.123, fig. 9.-- *Nair, 1959, p.16.-- *Kussakin, 1963, p.284, figs. 1b, 3.-- Kussakin, 1974, p.227, fig. 1 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.66 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.315, figs. 181-182.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-20m deep).-- *Gruner, 1965, p.50, Abb. 37 (non Abb. 38, 39).-- *Stromberg, 1968, p.91.-- *Schultz, 1969, p.145, fig. 214.-- *Pethon, 1970, p.4.-- *Naylor, 1972, p.22, fig. 7A.-- Nunomura, 1981a, p.56 (mouth of Kokufu River; Lake Kamoko, both Sado I., Niigata Pref.).-- 布村, 1987, p.2 (大槌湾, 山田町田ノ浜).-- 布村 [検日海], 1995, p.226, fig. 21-202R.-- 武田 [原甲検], 1982, p.238, no. 714 (太平洋, インド洋, 大西洋. 海の木材中).-- 武田 [山溪海], 1994, p.277, no. 6 (真鶴).-- 稲葉, 1988, p.137 (瀬戸内海).

Limnoria uncinata *Heller, 1866, p.734.

Limnoria tenebrans *Verrill, 1874, p.367.

Limnoria californica *Hewston, 1874, p.24.

Limnoria japonica Richardson, 1909, p.95, fig. 21 (Nanao to Isurugu, at Sudzu misaki light (lat. 37° 23'N, long. 137° 36'E), 163 fathoms deep, from crevice in water-logged fragment of bamboo).-- *Chilton, 1914, p.382.-- *Kofoid & Miller, 1927, p.309.-- *Pypbrhoba, 1936, p.98, fig. 92.-- Gurjanova, 1936b, p.98, fig. 52 (the Sea of Japan, lat. 37° 23'N, long. 137° 36'E).-- *Shiino, 1944, p.2.-- *Holthuis, 1949, p.170.-- *Menzies, 1957, p.165, figs. 27-28.-- 岩佐 [旧日動], 1957, p.817, fig. 2353 (本邦各地の海中にある木材に喰い入りて大害を与える).-- *Jesakova, 1961, p.183, fig. 4.-- Kussakin, 1979a, p.328, figs. 194-195 (the Sea of Japan).

***Limnoria magadanensis* Jesakova, 1961**

*Jesakova, 1961, p.180, figs. 1, 2, 5.-- *Kussakin, 1963, p.287, figs. 1c, 4.-- Kussakin, 1979a, p.329, figs. 196-198 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 4-145m deep).

***Limnoria* sp. aff. *tripunctata* Menzies, 1951**

Limnoria tripunctata, 椎野, 1958a, p.139 (カリフォルニア沿岸, 木材穿孔性).

Limnoria sp. aff. *tripunctata*, 西村 [学水動], 1981, pp.97 & 229 (キクイムシ: 日本および世界各地の港湾. 栈橋・くい・貯木に害をあたえる).

Family Sphaeromatidae: コツプムシ科

Subfamily Cassidininae: シオムシ亜科

***Cassidina sulcata* Thielemann, 1910**

Thielemann, 1910, p.59, figs. 59-70 (Japan).

***Leptosphaeroma gottschei* Hilgendorf, 1885 ヒラタウミセミ**

Leptosphaeroma gottschei *Hilgendorf, 1885, p.185 (Mogi; Kyushu).

Leptosphaeroma gottschei, Nishimura, 1976a, p.169, figs. 1-26 (Takinochaya, Tarumi, Kobe City, Hyogo Pref., Osaka Bay; Tsuji-jima, Amakusa, Kyushu; from 50cm water deep to low-water level, under stone, sandy beach).
-- Nunomura & Nishimura, 1976, p.25 (Tomogashima, Wakayama City, Wakayama Pref.; Takinochaya, Tarumi, Kobe City, Hyogo Pref.; Toyokunizaki, Misaki-cho, Osaka Pref.).-- Nunomura, 1981a, p.58 (Ogi-shiroyama, Ogi-machi, under the stone; bears a small shell of *Dexospira* sp. on dorsal surface, both Sado I., Niigata Pref.).-- Nunomura, 1985d, p.135 (Sugata; Kurosaki; Magari & Fujinami, all Toyama Bay).-- 布村, 1987, p.3 (山田町田ノ浜, 三陸).-- Nunomura, 1991b, p.40 (Kikonai cho; Izumisawa, Kikonai cho; Oshoro Bay, Otaru City; Usujiri, Minami-kayabe cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.222, pl. 82-3, fig. 21-202B (日本各地および韓国. 潮間帯から下部の石の下にしばしば多産, 幼体は砂浜の間隙水に多い).-- 布村 [日海ブ], 1997a, p.1116, no. 15, pl. 8 (日本各地, 韓国. 成体は潮間帯下部の石の下に, 幼個体は砂浜の間隙水).-- Nunomura, 1999b, p.16 (Yunohama, Kamituski, Miyake I., Izu Is.).-- 布村, 1999b, p.33 (富山湾水見海岸脇).-- 稲葉, 1988, p.138 (大阪湾の垂水及び岬町).-- Kim & Kwon, 1985, p.156, fig. 11b (Korea).

***Tecticeps alascensis* Richardson, 1897**

Tecticeps alascensis *Richardson, 1897, p.181.-- *Richardson, 1899, p.837.-- *Richardson, 1899, p.181.-- *Richardson, 1900, p.223.-- Richardson, 1905, p.276, figs. 286-289 (Kurile Is.).-- *Richardson, 1906, p.2.-- Thielemann, 1910, p.62 (Iturup, Kurilen).-- Gurjanova, 1936b, p.107, fig. 59 (Okhotsk Sea, lat. 60° 16'N, long. 167° 41'W).-- *Schultz, 1969, p.116, fig. 160.-- Kussakin, 1979a, p.343, figs. 204-205 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 16-388m deep).

Tecticeps renoculis var. *laevis* *Gurjanova, 1935, p.26, fig. 3.-- Gurjanova, 1936b, p.103, fig. 54 (the Sea of Japan & Okhotsk Sea, many locality).

Tecticeps renoculis renoculis (nec Richardson), Gurjanova, 1936b, pp.102 & 108, fig. 53 (Okhotsk Sea).

***Tecticeps carinatus* Gurjanova, 1933**

Tecticeps renoculis var. *carinatus* Gurjanova, 1933, p.99, figs. 26-27.-- Gurjanova, 1936b, p.105, fig. 56 (Okhotsk Sea, lat. 51° 35'N, long. 154° 46'E, 418m deep; lat. 56° 45'N, long. 145° 50'E, 218m deep).

Tecticeps carinatus, Kussakin, 1979a, p.334, figs. 217-218 (Okhotsk Sea).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 144-430m deep).

***Tecticeps glaber* Gurjanova, 1933 シオムシ**

Tecticeps glaber *Gurjanova, 1933, p.98, figs. 24-25.-- Gurjanova, 1936b, p.110, fig. 60 (the Sea of Japan).-- Kussakin, 1974, p.240, fig. 11 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.356, figs. 219-220 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-230m deep).-- 西村 [学水動], 1981, pp.97 & 249 (北海道の東南岸に多産. 水深5から18mの砂泥底).-- 武田 [山溪海], 1994, p.277, no. 8 (厚岸).-- 布村 [検日海], 1995, p.222, fig. 21-202A (北海道〜千島に多産).-- Nunomura, 1991b,

p.40 (Tachimachi misaki, Hakodate City; Kikonai cho; Oshoro, Bay; Gangan-iwa, out of Oshoro Bay; among the mussel bed, Oshoro Bay; Otaru City; Noto misaki, Abashiri City; Utoro, Shari-cho; Aikappu misaki, Akkeshi cho; Tomoe misaki, Muroran City; Usujiri, Minamikayabe cho, all Hokkaido Pref.).-- 布村 [日海ブ], 1997a, p.1116, no. 14, pl. 8 (北海道~千島).-- 宇田川, 1996a, cover & p.4 (北海道東部浜中湾のウバガイ漁場).-- 宇田川, 1996b, p.3, fig. 2 (北海道東部沿岸).

Tecticeps japonicus Iwasa, 1934, p.370, figs. 1-2.-- 岩佐 [旧日動], 1957, p.818, fig. 2356 (北海道及び千島の各地の沿岸).-- 内海 [原海動], 1956, p.55, pl. 27, no. 9 (北海道の東南岸に多産).-- 椎野 [新日動], 1965, p.547, no. 741 (北海道沿岸におびただしく発見される。分布千島におよぶ).

***Tecticeps leucophthalmus* Gurjanova, 1935**

*Gurjanova, 1935, p.25, fig. 1.-- Gurjanova, 1936b, p.103, fig. 54 (Okhotsk Sea, lat. 49° 29'N, long. 152° 00'E, 1366m deep).-- Kussakin, 1979a, p.358, figs. 221-222 (Okhotsk Sea, lat. 49° 29'N, long. 152° 00'E).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 1366m deep).

***Tecticeps nodulosus* Gurjanova, 1935**

Tecticeps renoculis var. *nodulosus* *Gurjanova, 1935, p.27, fig. 4.-- Gurjanova, 1936b, p.106, fig. 57 (Okhotsk Sea, lat. 55° 32'N, long. 149° 14'E, 335m deep).

Tecticeps nodulosus, Kussakin, 1979a, p.352, figs. 215-216 (Okhotsk Sea, lat. 55° 32'E, long. 149° 14'N).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 335m deep).

***Tecticeps renoculis* Richardson, 1909**

Tecticeps renoculis Richardson, 1909, p.89, figs. 14-16 (off eastern coast, Saghalin I., vicinity of Cape Patince, in Okhotsk Sae (lat. 48° 43'30"N, long. 145° 3'E) & (lat. 48° 43'10"N, long. 144° 53'33"E)).-- Kussakin, 1979a, p.345, figs. 208-209 (Okhotsk Sea).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 37-144m deep).

***Tecticeps serratus* Gurjanova, 1935**

Tecticeps renoculis var. *serratus* Gurjanova, 1935, p.27, fig. 5.-- Gurjanova, 1936b, p.106, fig. 58 (the Sea of Japan).

Tecticeps serratus, Kussakin, 1979a, p.351, figs. 213-214 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 80-280m deep).

Subfamily Sphaeromatinae : コツブムシ亜科

***Chitonosphaera lata* (Nishimura, 1968) ハバヒロコツブムシ**

Gnorimosphaeroma lata Nishimura, 1968b, p.273, figs. 1-5 (Cape Bansho-no-Hana; sheltered hore of Seto, Shirahama, Wakayama Pref., Kii Peninsula).

Gnorimosphaeroma latum, Nunomura & Nishimura, 1976, p.24, fig. 3 (Nagasaki (Misaki-koen) & Koike, Misaki-cho, Osaka Pref.; Kada & Tagurazaki, Wakayama City, Wakayama Pref.).-- Yun, 1982, p.14, figs. 8 & 9 (southern coast of Korea).-- 稲葉, 1988, p.138 (大阪湾の岬町岬公園).-- Kim & Kwon, 1985, p.156, fig. 11a (Korea).

Chitonosphaeroma lata, *Kussakin, 1993.-- 布村 [検日海], 1995, p.224, fig. 21-202G (日本各地, 韓国, 南シナ海。潮間帯下部の石の表面).-- Nunomura, 1999b, p.16 (Chotaro Ike, Tsubota, Miyake I.; Ishijirokawa, Shikine I., Izu Is.).

***Chitonosphaera salebrosa* (Nishimura, 1969) ヨロイコツブムシ**

Gnorimosphaeroma salebrosa Nishimura, 1969b, p.385, figs. 1-5 (Sakata, Shirahama; Hatake-jima, Tanabe Bay, Wakayama Pref., Kii Peninsula).

Gnorimosphaeroma salebrosum, Nunomura & Nishimura, 1976, p.25 (Nagasaki (Misaki-koen); Toyokunizaki & Myojinzaki, Misaki-cho, Osaka Pref.).-- 稲葉, 1988, p.138 (大阪湾の岬公園, 垂水及び鞆ヶ島).

Chitonosphaeroma salebrosa, 布村 [検日海], 1995, p.224, fig. 21-202F (紀伊半島と大阪湾。潮間帯中部の岩の割れ目や石の下).

***Cymodoce acuta* Richardson, 1904 フトトゲコツブムシ**

Cymodoce acuta Richardson, 1904, p.38, figs. 8-10 (Yeno-ura, taken on the surface).-- Thielemann, 1910, p.56 (Enoura).-- Gurjanova, 1936b, p.119, fig. 67 (Japan).-- Kussakin, 1974, p.237, fig. 8 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.430, figs. 280-281. -- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-24m deep).-- Nunomura, 1985c, p.111 (Enohama & Kamano, Kagawa Pref., from subtidal zone).-- Nunomura, 1985d, p.134 (off Hamakurosaki; Amaharashi; Unami; Oosakai; Kurosaki; Kinoura; off Ogi; Tukumo Bay; Mitsuke, all Toyama Bay).-- 布村, 1987, p.3 (大船渡湾及び大槌湾).-- Nunomura, 1991b, p.39 (Lake Saroma-ko; Tohoru, Notsuke Bay; Akkeshi Bay, Akkeshi cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.225 (本州中部以北, 朝鮮半島, シベリア).-- 布村 [日海プ], 1997a, p.1118, no. 30, pl. 10 (本州中部以北, 朝鮮半島, 沿海州).-- 布村, 1999b, p.33 (富山湾氷見海岸大境&阿尾).-- ?稲葉, 1988, p.137 (瀬戸内海全域).-- Kim & Kwon, 1985, p.158, fig. 13a & b (Korea).-- Kim & Kwon, 1988a, p.208 (Cheju I, Korea).-- 宇田川, 1996, p. 3, fig. 3 (北海道東部沿岸).

?*Cymodoce* sp. aff. *acuta*, Nunomura & Ikehara, 1985, p.59, fig. 6 (Tobishima Island, Sakata City, Yamagata Pref.).

?*Cymodoce affinis* *Richardson, 1907, p.11, fig. 15 (female).

***Cymodoce japonica* Richardson, 1907 ニホンコツブムシ (ウミセミ)**

*Richardson, 1907, p.7, fig. 11 (description male).-- Richardson, 1909, p.92 (Hakodate Bay; Otaru; Nanao; Mororan; Oki Shimi (lat. 34° 17'N, long. 130° 15'E) & (lat. 34° 20'30"N, long. 130° 11'E); Saigo, Dogo I., Oki group, to Matsu shima, the Sea of Japan (lat. 36° 46'N, long. 132° 15'E), around surface, shore, 59 fathoms deep, in fine gray sand, broken shells; 846 fathoms, in green mud & globigerina).-- *Richardson, 1910, p.28 (Mindanao).-- Thielemann, 1910, p.53, figs. 48-51 (Sagamibai und Yokohama).-- Gurjanova, 1936b, p.117, fig. 66 (Peter the Great Bay; Port Arthur; Nagasaki; Yokohama; Hakodate).-- *Shiino, 1944, p.1, figs.-- 椎野, 1944b, p.8, figs. 7-9 (厚岸; 天草富岡, いずれも木材中より).-- 椎野, 1950, p.478.-- Shiino, 1957, p.172, figs. 7-9 (Akkeshi; Amakusa).-- 椎野, 1958a, p.148.-- 椎野, 1958b, p.158.-- 椎野 [新日動], 1965, p.547, no. 738 (北海道~九州の間, わが国の両岸. フィリピンまで分布. 岩礁・海藻中にすむ).-- 岩佐 [旧日動], 1957, p.818, fig. 2357 (北海道より九州に至る各地の岩礁に普通に見出される).-- *Hatch, 1947, p.214, figs. 150-153 (Washington? introduced from Japan).-- 内海 [原海動], 1956, p.55, pl.27, no.7 (本邦各地, 朝鮮, 黄海沿岸, フィリピン群島. 岩礁の間, タイドプール, 海藻の間に普通).-- Kikuchi, 1968, p.177, no. 229 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).-- Nunomura & Nishimura, 1976, p.20 (west coast of Tomogashima; Okawa & Jogasaki, Wakayama City, Wakayama Pref.; Toyokunizaki, Misaki-cho, Osaka Pref.).-- Nunomura, 1981a, p.56 (Tassya, Aikawa-machi; Ogi-uchinoma, Ogi-machi; Urakawa; Lake Kamoko; Sawane, Sawada-machi, Sado I., Niigata Pref.).-- 布村, 1987, p.3 (大槌湾赤浜, 湾口80-82m, 根浜沖10m, 長崎沖40-46m, センター前突堤及び岩礁, 湾内養殖筏).-- 布村 [検日海], 1995, p.225, pl. 82-6, fig. 21-202K (日本各地, 朝鮮半島, ピョートル大帝湾, フィリピン, アメリカ東岸. 潮間帯の石の下, 海藻の間から水深400m位までの海底).-- 布村 [日海プ], 1997a, p.1118, no. 29, pl. 10 (日本各地, 朝鮮半島, フィリピン, アメリカ東岸. 汀線付近から水深400mくらいまでの海底).-- 布村, 1999b, p.33 (富山湾氷見海岸宇波).-- 福田, 1990, p.14 (沖繩).-- Yun, 1982, p.2, figs. 2 & 3 (southern coast of Korea).-- Kim & Kwon, 1985, p.157, fig. 13c & d (Korea).

***Dynoides artocanalís* Nunomura, 1997 ホソミゾウミセミ**

Nunomura, 1997b, p.73, figs. 1-2 (intertidal zone, Tachibana Bay, Anan City, Tokushima Pref.).

***Dynoides brevispina* Bruce, 1980 ブチウミセミ**

Bruce, 1980, p.200, figs. 1-4 (Sendai; from night plankton, Iso Beach, Kinko Bay, both Kyushu).-- Kim & Kwon, 1985, p.161 (Korea).-- 布村 [検日海], 1995, p.225, fig. 21-202J (日本と韓国).-- 布村 [日海プ], 1997a, p.1118, no. 28, pl. 10 (日本, 韓国).

***Dynoides dentisinus* Shen, 1929 シリケンウミセミ**

Shen, 1929, p.65, figs. 1-23 (Pechihli Bay to Tsingto, China).-- *Kussakin, 1956.-- Kussakin, 1974, p.238, fig. 9 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.434, figs. 282-284 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-0.5m deep).-- 岩佐 [旧日動], 1957,

p.819, fig. 2359 (北海道より九州に至る太平洋岸の干満線付近に多い).-- Nunomura & Nishimura, 1976, p.21, fig. 1 (Okawa; Jogasaki & Ebisuzaki, Wakayama City, Wakayama Pref., from among the colonites of algae, *Corallina* sp. & *Surggasum* sp.).-- 椎野 [新日動], 1965, p.547, no.740 (北海道以南の太平洋岸. 汀線帯の岩礁, 石の下にすむ. シナ沿岸にも分布).-- 内海・西村・鈴木 [標原海], 1971, p.76, pl.25, no.3 (日本各地, 中国. 潮間帯の岩礁, 石の下).-- 西村 [学水動], 1981, pp.97 & 254 (はじめ中国の黄海沿岸から報告されたが, その後日本各地の海岸にもふつうであることがわかった).-- Nunomura, 1981a, p.57 (Ogi-shiroyama, Ogi-machi; Lake Kamoko, Sado I., Niigata Pref.).-- Nunomura, 1985d, p.135 (Miyazaki; Yoshihara; Asiarai; Ebie; Fushiki; Amaharashi; Iwaguruma; Magari; Kagata-hana, Mawaki & Mitsuke, all Toyama Bay).-- 布村, 1987, p.3 (大槌湾吉里, 弁天島; 山田町田ノ浜, 荒神).-- 布村 [検日海], 1995, p.224, pl. 82-5, fig. 21-202I (北海道以南の日本海沿岸, 太平洋沿岸, 中国, 朝鮮半島. 潮間帯~亜潮間帯の海藻の間, 石の下, 波消しブロックの隙間, 幼体は笠貝, ヒザラガイの裏側).-- 布村 [日海ブ], 1997a, p.1118, no. 27, pl. 10 (北海道以南, 中国朝鮮半島. 潮間帯から亜潮間帯の海藻の間, 石の下, 笠貝やヒザラガイの裏).-- 布村, 1999b, p.33 (富山湾氷見海岸虹ヶ島).-- Yun, 1982, p.10, figs. 6 & 7 (southern coast of Korea).-- Bruce, 1980, p.200 (Sendai, from night plankton, Kyushu).-- 武田 [原甲検], 1982, p.238, no.713 (北海道から九州までの太平洋岸, 中国. 岩礁の石の下や付着生物の間).-- Kim & Kwon, 1985, p.161 (Korea).-- Kim & Kwon, 1988a, p. 208 (Cheju I, Korea).-- 稲葉, 1988, p.138 (瀬戸内海全域).

***Dynoides spinopodus* Kwon & Kim, 1986**

Kwon & Kim, 1986, p.44, figs. 1-3 (south coast of Korea (lat. 35° 11'20"N, long. 129° 12'36"E)).-- 布村, 1987, p.3 (山田町荒神, 三陸).

***Dynoidella conchicola* Nishimura, 1976 カイヤドリウミセミ**

Nishimura, 1976b, p.275, figs. 1-19 (Sakata & Ezura, Shirahama, Wakayama Pref., Hosts: *Theliostyla albicilla* (Linnaeus), *Cellana nigrokineata* (Reeve) & *Cellana grata stearnsi* (Pilsbry) on rocky shore, middle to lower tidal zone).-- Nunomura & Nishimura, 1976, p.22, fig. 2 (Toyokunizaki; Nagasaki (Misaki-koen) & Myojinzaki, Misaki-cho; Tarui, Sennan-cho, Osaka Pref.; Jogasaki & Tagurazaki, Wakayama City, Wakayama Pref., associated with the limpet, *Notoacmaea concinna concinna* (Lischke)).-- Nunomura, 1981a, p.57 (Tassya, Aikawa-machi, Sado I., Niigata Pref., under the limpet, *Cellana toreuma*).-- 稲葉, 1988, p.137 (大阪湾の泉南市垂井及び岬町豊国崎, Associate with *Notoacmaea concinna* コウダカアオガイ).

***Gnorimosphaeroma akanense* Nunomura, 1998 アカンコツブムシ**

Nunomura, 1998a, p.34, fig. 5 (fresh water of Akan-gawa River from the Oskandake, Hokkaido Pref.).

***Gnorimosphaeroma anchialos* Jang & Kwon, 1993 ミギワコツブムシ**

Jang & Kwon, 1993, p.402, figs. 1-3 (brackishwater lake in Korea).-- Nunomura, 1998a, p.49, fig. 11 (mouth of Yura River, Yura cho, Wakayama Pref.).

***Gnorimosphaeroma chinense* (Tattersall, 1921) シナコツブムシ**

Exosphaeroma chinense *Tattersall, 1921, p.423, pl. 16, figs. 6-15.-- *Uéno, 1935, p.90.

Gnorimosphaeroma chinense, *Menzies, 1954, p.7.-- Kim & Kwon, 1985, p.153 (Korea).-- Nunomura, 1998a, p. 46, fig. 10 (mouth of Shubuto River (salinity 2 ‰), Suttsu, Hokkaido Pref.).

Gnorimosphaeroma kurilense Kussakin, 1974, p.236, fig. 6 (intertidal zone of Kurile Is.).

***Gnorimosphaeroma hachijoense* Nunomura, 1999 ハチジョウイソコツブムシ**

Nunomura, 1999b, p.16, fig. 5 (Shioma & Yakenga-hama, Hachijo I., Izu Is.).

***Gnorimosphaeroma hoestlandti* Kim & Kwon, 1985 フタゲイソコツブムシ**

Kim & Kwon, 1985, p.149 (Korea).-- Nunomura, 1998a, p.42, fig. 8 (Yoshiura, Emi, Kamogawa City; Kou, Tateyama City; Lake Naka-umi, Shimane Pref.).

***Gnorimosphaeroma hokurikuense* Nunomura, 1998 ホクリクコツブムシ**

Nunomura, 1998a, p.32, fig. 4 (small stream from a pond called "Yomokurouike", Takaoka City, Toyama Pref.).

***Gnorimosphaeroma iriei* Nunomura, 1998 サイゴクコツブムシ**

Nunomura, 1998, p.27, fig. 2 (Ezu-ko Lake, Kumamoto City, Kumamoto Pref.).

***Gnorimosphaeroma naktongense* Kwon & Kim, 1987 チョウセンコツブムシ**

Gnorimosphaeroma naktongense Kwon & Kim, 1987, p.51, figs. 1-3 (Naktong Riv., Pusan, Korea).-- Nunomura, 1991b, p.40 (Oshoro, Otaru City; Notoro misaki, Abashiri City; Notsuke Peninsula, all Hokkaido Pref.).-- 布村 [日海ブ], 1997a, p.1117, no. 20, pl. 11 (東北地方から新潟県, 韓国の河口域から淡水).-- Nunomura, 1998a, p. 51, fig. 12 (Arakawa River & Kano River, Niigata Pref.).-- Kim & Kwon, 1988a, p.203 (Cheju I., Korea).
Gnorimosphaeroma naktogense[sic.], 布村, 1987, p.3 (大槌湾赤浜).-- 布村 [検日海], 1995, p.225 (北海道や三陸海岸, 東北日本海岸).

***Gnorimosphaeroma noblei* Menzies, 1954**

*Menzies, 1954, p.18, figs. 7E-J, 8-9.-- *Kussakin, 1961, p.323.-- Kussakin, 1974, p.229, fig. 4 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.414, figs. 267-269.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-2m deep), *Schultz, 1969, p.131, fig. 189.-- *Hoestlandt, 1973, p.354.-- *Iverson, 1974, p.166.

***Gnorimosphaeroma ovatum* (Gurjanova, 1933) マルコツブムシ (スベスベコツブムシ)**

Exosphaeroma oregonensis (non Dana), Thielemann, 1910, p.51, figs. 41-47 (Misaki, Sagamibai).-- 椎野, 1944b, p.12, figs. 10-11 (厚岸, 兵庫県津居山).

Exosphaeroma ovata *Gurjanova, 1933, p.99, fig. 28.-- Shiino, 1957, p.178, figs. 10 & 11 (Akkeshi & Tsuiyama).-- 椎野, 1958b, p.159.-- 椎野 [新日動], 1965, p.546, no.737 (本州日本海岸, 北海道沿岸, 沿海州・アラスカに分布, 寒海性).

Neosphaeroma ovata, *Gurjanova, 1936a, p.124, fig. 71.

Gnorimosphaeroma ovata, *Menzies, 1951.

Gnorimosphaeroma ovatum, *Menzies, 1954, p.7.-- *Kussakin, 1974, p.230, fig. 5.-- Kussakin, 1974, p.230, fig. 5 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.410, figs. 265-266.-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-25m deep).-- Nunomura, 1981a, p.57 (Cape Kizaki, Lake Kamoko; Tassyia, Aikawa machi, both Sado I., Niigata Pref.).-- 布村, 1987, p.3 (大槌湾, 山田町織笠).-- Nunomura, 1991, p.39 (Kikonai cho; Abashiri City; Utoro, Shari cho; Akkeshi; Daikoku-jima; Samani cho; Etomo cho, Muroran City; Usujiri, Minamikayabe cho, Akkeshi cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.225, fig. 21-202H. (日本, 朝鮮半島, 中国, ロシア極東部).-- 布村 [日海ブ], 1997a, p.1117, no. 19, pl. 11 (東北日本以北).-- Nunomura, 1998a, p.44, fig. 9 (Senhousi; Nozuka; Porofunde; Rangohsi, Rishiri I.; Cape Sukoton; Sasitoji; Rebun I.; Fujimi, Wakkanai City; Usujiri, Minamikayabe, Shiretoko, all Hokkaido Pref.; Kotto, Chikiura cho, Chiba Pref.).-- Yun, 1982, p.17, figs. 10 & 11 (southern coast of Korea).-- Kim & Kwon, 1985, p.145 (Korea).-- Kim & Kwon, 1988a, p.203 (Cheju I., Korea).

***Gnorimosphaeroma pulchellum* Nunomura, 1998 ヒメコツブムシ**

Nunomura, 1998a, p.25, fig. 1 (mouth of Obitsu River, Kisarazu City, Chiba Pref.).

***Gnorimosphaeroma rayi* Hoestlandt, 1969 イソコツブムシ**

Sphaeroma oregonensis *Dana, 1852, p.778, pl. 52, fig. 4.-- *Dana, 1854-55, p.177.-- *Stimpson, 1857, p.509.-- *Richardson, 1899, p.836.-- *Richardson, 1899, p.180.-- *Richardson, 1900, p.223.-- *Richardson, 1904, p.214.-- *Richardson, 1904, p.659.-- *Richardson, 1905, p.216.

Sphaeroma olivacea *Lokington, 1877, p.45.

Exosphaeroma oregonensis, Richardson, 1905, p.296, figs. 315-316.-- Richardson, 1909, p.92.-- *VanName, 1936, p.450, fig. 282.-- *Hach, 1947, p.213, figs. 82-83.-- *?Tattersall, 1921, p.421, pl. 16, figs. 1-5 (Shanghai, fresh water).-- *?Uéno, 1936, p.248 (Kunashiri).-- *?Gurjanova, 1957.-- 布村, 1987, p.2 (大槌湾).

Nosphaeroma oregonense, *Monod, 1932, p.67, fig. 74.-- *Monod, 1936, p.123, fig. 70.

Nosphaeroma oregonensis, Gurjanova, 1936b, p.123, fig. 70 (Maritime Coast; Tartary Straits).-- 岩佐 [旧日動], 1957, p.818, fig. 2355 (千島より台湾にいたる各地の海岸の石の下等に極めて普通なり).-- 岩佐, 1965, p.57 (台湾の淡水河岸及び河口).-- *Kussakin, 1957.-- *Kussakin, 1956, p.144.-- *Mokjevskii, 1960, p.250.

Gnorimosphaeroma oregonensis oregonensis, *Menzies, 1954, p.8, fig. 5, 7A-E, 12.-- *Riegel, 1959, p.272.

Gnorimosphaeroma oregonensis, 椎野 [原動大], 1961, p.125, pl.62, no.11 (北部太平洋に普通. 汀線付近の石の下な

ど).-- 椎野 [新日動], 1965, p.546, no.736 (本邦沿岸汀線帯の石の下等に極めて普通. 千島・アラスカを経てカリフォルニア州にまで分布).-- Kikuchi, 1968, p.177, no. 231 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).
Gnorimosphaeroma oregonense, *Hoestlandt, 1964, p.872.-- *Hoestlandt, 1973, p.355, figs. 1-9.-- *Miller, 1968, p.12.-- *Schultz, 1969, p.129, fig. 187a.

Gnorimosphaeroma rayi *Hoestlandt, 1969, p.325.-- *Hoestlandt, 1973a, p.2817, fig. 2.-- *Hoestlandt, 1973b, p.380, figs. 19-26.-- Hoestlandt, 1975, p.31, figs. 1-3, 6-10.-- 内海・西村・鈴木 [標原海], 1971, p.76, pl.25, no.2 (日本各地, ソ連沿海州, ハワイ. 淡水の流れ込む潮間帯の石下に多い).-- 松本 [日淡生], 1973, p.478, fig. 20-73(3) (日本各地の海岸の石の下に普通. 淡水産としては阿寒湖, 島根県, 富山県, 山形県の湧泉等).-- Nunomura & Nishimura, 1976, p.23 (Takinochaya, Tarumi, Kobe City, Hyogo Pref.; Honmachi, Izumi-Sano City; Nagasaki (Misaki-koen), Misaki-cho, Osaka Pref.; Hama-Koshien, Nishinomiya City, Hyogo Pref., from among the colonites of the barnacle, *Balanus (Balanus) amphitrite amphitrite* Darwin).-- Nunomura, 1981a, p.58 (mouth of Agano River, Niigata City, Niigata Pref.).-- Nunomura, 1985c, p.111 (Nishiwaki, Kagawa Pref., from subtidal zone).-- Nunomura, 1985d, p.134 (Miyazaki; Kyoden; Mizuhashi; mouth of Joganji River; Iwase; Yokata; Uchiide; Amaharashi; Iwagurumi & Kurosaki, all Toyama Bay).-- 布村, 1987, p.3 (岩手県山田町織笠川河口 (多産), 荒神, 三陸).-- Nunomura, 1991b, p.40 (Noheji, Kamiiso cho; Izumisawa, Kikonai; Shizunai, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.224, pl. 82-4 (日本各地. 韓国, ピョートル大帝湾, およびカリフォルニア沿岸. 海岸の石の下や海藻の中, 淡水の混じる付近に特に多い).-- 布村 [日海ブ], 1997a, p.1117, no. 18, pl. 11 (日本各地. 近くに淡水が流入する海岸に多い).-- Nunomura, 1998a, p.39, fig. 7 (Nezugasaki, Atsumi cho, Yamagata Pref.; Emi Kamogawa City, Chiba Pref.; Sakai-minato, Tottori Pref.).-- 布村, 1999b, p.33 (富山湾水見海岸島尾).-- 西村 [学水動], 1981, pp. 97 & 199 (日本各地. 淡水の流入する海浜や潮間帯の石下にしばしば多数密集).-- 武田 [原甲検], 1982, p.238, no.712 (日本各地. 岩礁の石の下などに普通).-- ?武田 [山溪海], 1994, p.277, no. 7 (剣崎).-- 稲葉, 1988, p.138 (瀬戸内海全域).-- Kim & Kwon, 1985, p.148 (Korea).-- Kim & Kwon, 1988a, p.204 (Cheju I., Korea).

Gnorimosphaeroma oregonense, Kussakin, 1979a, p.406, figs. 260-262.

***Gnorimosphaeroma rebunense* Nunomura, 1998** レブンコツブムシ

Nunomura, 1998a, p.29, fig. 3 (10-40cm, Kushu Lake, Rebun I., Hokkaido Pref.).

***Gnorimosphaeroma shikinense* Nunomura, 1999** シキネイソコツブムシ

Nunomura, 1999b, p.19, fig. 6 (Ooura & Ishijirokawa, Shikine I., Izu Is.).

***Gnorimosphaeroma tsushimaense* Nunomura, 1998** ツシマコツブムシ

Nunomura, 1998a, p.37, fig. 6 (Asu river, Isuhara, Tsushima I., Nagasaki Pref.).

***Gnorimosphaeroma tondaense* Nunomura, 1999** トンダガワイソコツブムシ

Nunomura, 1999a, p.1, fig. 1 (mouth of the Tonda River, Kii Peninsula.).

***Gnorimosphaeroma* sp. Nunomura, 1996** イソコツブムシ属の1種

布村, 1996, p.13, figs. 1-2 (高岡市与茂九郎池周辺).

***Sphaeroma retrolaevis* Richardson, 1904** ヨツバコツブムシ (スベオウミセミ)

Richardson, 1904, p.47, fig. 23 (Nagasaki; Hizen).-- Thielemann, 1910, p.51 (Nagasaki bekannt).-- *寺尾, 1916 (加賀国大野川及び粟ヶ島, 海中の木材に穿孔).-- 椎野, 1944b, p.5, figs. 4-6 (兵庫県津井山, 海中の木材に穿孔).-- 椎野, 1950, p.478.-- Shiino, 1957, p.167, figs. 4-6, 12 (Tsuyama, Hyogo Pref.).-- 椎野, 1958a, p.148.-- 椎野, 1958b, p.157.-- 椎野 [新日動], 1965, p.546, no.734 (太平洋・日本海岸産. 自由生活または海中木材に穿孔).-- 岩佐 [旧日動], 1957, p.817, fig. 2354 (日本海・太平洋及び其の沿岸の海跡湖に産す).-- 布村 [検日海], 1995, p.224, fig. 21-202D (しばしば海中の木材に穴をあけて棲む).-- 布村 [日海ブ], 1997a, p.1116, no. 17, pl. 10 (北海道から九州).-- 稲葉, 1988, p.137 (瀬戸内海全域).

***Sphaeroma sieboldii* Dollfus, 1888** ナナツバコツブムシ

Sphaeroma Sieboldii *Dollfus, 1888, p.93, pl. 5, fig.3a-b (函館, 自由生活).-- Richardson, 1909, p.91 (Hakodate, surface).-- Thielemann, 1910, p.51 (Japan bekannt).

Sphaeroma sieboldii, *寺尾, 1916, p.158 (横浜本牧, 凝灰岩に穿孔).-- *Nierstrasa, 1917, p.107.-- Gurjanova, 1936b, p.120, fig. 68 (Japan).-- 椎野, 1944b, p.1, figs. 1-3 (小湊・館山・尾道向島, いずれも海中の棒杭に穿孔).-- 椎野,

1950, p.478.-- Shiino, 1957, p.161, figs. 1-3, 12 (Otaru, Hokkaido Pref.; Tateyama, Chiba Pref.; Mukaishima, Onomichi, Seto Inland Sea).-- 椎野, 1958a, p.148.-- 椎野, 1958b, p.157.-- 椎野 [新日動], 1965, p.546, no. 735 (北海道より九州にわたる汀線. 石の下, 凝灰岩または木材に穿孔).-- 西村 [学水動], 1981, pp.97 & 280 (日本各地. 岩礁海岸の石下や, 岩や木材に穴をあけてすむ).-- Kussakin, 1979a, p.394, figs. 250-251 (Japan).-- Nunomura, 1981a, p.57 (Shichibano-gake Cliff; Sawane, Sawada-machi; Tassya Aikawa-machi from driftwood, all Sado I., Niigata Pref.).-- Nunomura, 1985d, p.134 (Nakanami, Toyama Bay).-- 布村, 1987, p.2 (大槌湾センター前突堤, 吉里潮間帯).-- 布村 [検日海], 1995, p.224, fig. 21-202C (柔らかい岩石などに穿孔).-- 布村 [日海ブ], 1997a, p. 1116, no. 16, pl. 10 (北海道から九州).-- 布村, 1999b, p.33 (富山湾水見海岸中波).-- Kim & Kwon, 1985, p.162 (Korea).-- Kim & Kwon, 1988a, p.209 (Cheju I, Korea).

***Sphaeroma wadai* Nunomura, 1994** イワホリコツブムシ

Nunomura, 1994a, p.1, fig. 1-2 (Uchinoura, Tanabe Bay, Tanabe City, Wakayama Pref., from the stones in the shore tidal zone).-- 布村 [検日海], 1995, p.224, fig. 21-202E (紀伊半島).

***Sphaeroma* sp. von Martens, 1868**

Thielemann, 1910, p.51 (Yokohama).

Subfamily Dynameninae : ウミセミ亜科

***Cymodocella marginata* Bruce, 1980** フタバウミセミ

Bruce, 1980, p.205, figs. 1-4 (Sendai, Kyushu).-- 布村 [検日海], 1995, p.226, fig. 21-202M (九州).-- 布村 [日海ブ], 1997a, p.1117, no. 23, pl. 11 (九州).

***Cymodocella nipponica* Nishimura, 1969** ツツオウミセミ

Cymodocella nipponica Nishimura, 1969, p.335, figs. 1-5 (Hatake-jima I., Tanabe Bay, Wakayama Pref., Kii Peninsula).-- 内海・西村・鈴木 [標原海], 1971, p.76, pl.25, no.4 (紀伊. 潮間帯上部の石の下).-- 布村 [検日海], 1995, p.225, pl. 82-7, fig. 21-202L (紀伊半島, 朝鮮半島, 南シナ海. 潮間帯上部の遮蔽(しゃへい)された石の下, 乾いた場所, 時に緑藻上にもみられる).-- 布村 [日海ブ], 1997a, p.1117, no. 22, pl. 11 (紀伊半島, 韓国).

Dynamenella nipponica, *Harrison & Holdich, 1982, p.90.-- Yun, 1982, p.6, figs. 4 & 5 (southern coast of Korea).-- Kim & Kwon, 1988a, p.208 (Cheju I, Korea).

***Dynamenella fraudatrix* Kussakin, 1962**

Dynamene glabra (non. Richardson, 1899), Gurjanova, 1936b, p.114, fig. 64 (the Sea of Japan).-- *Gurjanova, 1938, p.233.

Dynamenella glabra (non Richardson), *Kussakin, 1956, p.114.

Dynamenella fraudatrix *Kussakin, 1962, p.238, figs. 1-3.-- Kussakin, 1974, p.238, fig. 10 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.445, figs. 293-295 (the Sea of Japan).-- Kussakin, 1979b, p.120 (Okhotsk Sea, 0-5m deep).

***Dynamenella laticauda* Nunomura, 1999** カナエウミセミ

Nunomura, 1999b, p.21, fig. 7 (Kaminato; Taredo; Yakengahama; Borawazawa, Hachijo I.; Chotaro Ike, Tsubota, Miyake I.; Shikine I., all Izu Is.).

***Holotelson decoratus* Nunomura & Ikehara, 1985** カザリウミセミ

Nunomura & Ikehara, 1985, p.61, figs. 7-8 (Tobishima I., Sakata City, Yamagata Pref.).-- Nunomura, 1985d, p.135 (off Ogi, Toyama Bay).-- 布村 [検日海], 1995, p.226, fig. 21-202Q (山形県沿岸および富山湾).-- 布村 [日海ブ], 1997a, p.1118, no. 26, pl. 9 (日本海).

***Holotelson tuberculatus* Richardson, 1909** チビウミセミ

Holotelson tuberculatus Richardson, 1909, p.93, figs. 17-20 (Mororan, on the shore).-- *Shen, 1933, p.269, figs. 1-9.-- *Gurjanova, 1936a, p.819, fig. 63 (Peter the Great Bay).-- Gurjanova, 1936b, p.112, fig. 63 (the Sea of Japan).-- *Kussakin, 1956, p.114.-- Kussakin, 1974, p.236, fig. 7 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979a, p.457, figs. 305-307.-- Kussakin, 1979b, p.120

(Okhotsk Sea, 0-35m deep).-- 内海 [原海動], 1956, p.55, pl.27, no.8 (本州各地, 黄海沿岸).-- 岩佐 [旧日動], 1957, p.819, fig. 2358 (北海道より九州に至る日本海及び太平洋岸並びに中国山東省等の海岸に多し).-- 椎野 [新日動], 1965, p.547, no. 739 (北海道より九州にわたりわが国の太平洋岸・日本海岸に普通. シナ沿岸にも分布. 汀線帯・海藻中等にすむ).-- *Mokjevskii, 1960, p.49.-- Kikuchi, 1968, p.177, no. 230 (Tomioka Bay, Amakusa, Kyushu, *Zostera marina* belt).-- Nunomura & Nishimura, 1976, p.20 (Minami-tonnowa & Toyokunizaki, Misaki-cho, Osaka Pref.).-- Nunomura, 1981a, p.56 (Sawane, Sawada-machi, Sado I., Niigata Pref., among colonies of algae).-- Nunomura, 1985c, p.111 (Nishiwaki, Kagawa Pref., from intertidal zone).-- Nunomura, 1985d, p.134 (Amaharashi & Nakadomari, Toyama Bay).-- 布村, 1987, p.3 (大槌湾吉里).-- Nunomura, 1991b, p.41 (Tachimachi misaki, Hakodate City; Otaru, Oshoro City; Noto misaki, Abashiri City; Utoro, Shari cho; Noshappu, Wakkanai City; Akkeshi City; Samani cho; Ushujiri, Minamikayabe cho, all Hokkaido Pref.).-- 布村 [検日海], 1995, p.226, fig. 21-202P (北海道から九州までと, 中国沿岸. 潮間帯から亜潮間帯の海藻の間や石の下).-- 布村 [日海ブ], 1997a, p.1118, no. 25, pl. 9.-- Nunomura, 1999b, p.21 (Sabiga-hama, Miyake I., Izu Is.).-- 布村, 1999b, p.33 (富山湾氷見海岸中泊&虹ヶ島).-- Kim & Kwon, 1985, p.157, fig. 12 (Korea).-- 稲葉, 1988, p.138 (瀬戸内海全域). *Cassidias tuberculata*, Thielemann, 1910, p.56, figs. 52-58 (bei Japan).

***Nishimuraia paradoxa* Nunomura, 1988** コツブムシダマシ

Nunomura, 1988a, p.2, figs. 1-2 (Uwajima City, Ehime Pref.).-- 布村 [検日海], 1995, p.226, fig. 21-202O (瀬戸内海).-- 布村 [日海ブ], 1997a, p.1117, no. 21, pl. 9 (瀬戸内海).

***Paracerceis japonica* Nunomura, 1988** ツノオウミセミ

Nunomura, 1988a, p.4, figs. 3-4 (Uwajima City, Ehime Pref.).-- 布村 [検日海], 1995, p.226, fig. 21-202N (愛媛県宇和島).-- 布村 [日海ブ], 1997a, p.1117, no. 24, pl. 9 (愛媛県宇和島).

Subfamily Unknown : 亜科不明

Sphaeromatidae gen. sp.

Ohta, 1983, p.228 (Suruga Bay, 128-140m deep, 3 trawls).

Flabellifera gen. sp.

Ohta, 1983, p.228 (Suruga Bay, 140m deep, 1 trawl).

Suborder Oniscoidea : フラジムシ亜目

Family Ligiidae : フナムシ科

***Ligia boninensis* Nunomura, 1979** オガサワラフナムシ

Nunomura, 1979b, p.37, figs. 1-3 (mountain path of Oki-mura, Haha-jima, Bonin Is.).-- Nunomura, 1983a, p.33 fig.6 (mountain path of Oki-mura, Haha-jima I., Bonin (Ogasawara) Is., Tokyo Pref.).-- 布村 [日土検], 1991, p.58, figs.175 & 195-4 (小笠原諸島母島. 森林や山道).-- 布村, 1993, p.87.-- 布村 [検日海], 1995, p.228 (小笠原諸島母島の山間部).-- 布村, 1999a, p.84.

***Ligia cinerascens* Budde-Lund, 1828** キタフナムシ

Ligia cinerascens *Budde-Lund, 1828, p.265.-- *Gurjanova, 1933.-- Gurjanova, 1936b, p.208, fig. 133 (Japan & the Sea of Japan).-- *Kussakin, 1956.-- Kussakin, 1974, p.266, fig. 33 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 0m deep).-- *Mokjevskii, 1960.-- *Van Name, 1936.-- Nunomura, 1983a, p.27, fig. 2 (Erimo misaki Cape, Erimo-cho, Horoizumi-gun; Usu-mura, Usu-gun; Usujiri, Minami-kayabe-cho, Kayabe-gun; Kamiisu-cho, Kamiiso-gun; Oshoro & Pon-Oshoro, Otaru City all Hokkaido Pref.).-- Nunomura, 1991b, p.43 (Shiriuchi cho; Pon Oshoro, Oshoro, Otaru City; Kamiyai mura; Usujiri, Minamikayabe cho; Kamiiso cho; Usu mura; Kamiyai cho, all Hokkaido Pref.).-- 布村 [日土検], 1991, p.58, figs.175 & 195-2 (北海道~千島列島. 汀線から飛沫帯).-- 布村, 1993, p.87.-- 布村 [検日海], 1995, p.228, fig. 21-204A (北海道に分布. 低潮線付近に多い).-- 布村, 1999a, p.84.-- 宇田川, 1996, p.3 (北海道東部沿岸では希).

Ligyda cinerascens, Richardson, 1909, p.126 (Hakodate).-- Thielemann, 1910, p.77 (Japan).

***Ligia exotica* Roux, 1828** フナムシ

Ligia exotica *Roux, 1828, p.3, pl. 13, fig. 9.-- *Budde-Lund, 1885, p.266.-- *Dollfus, 1893, p.189.-- *Richardson, 1899, p.866.-- *Richardson, 1899, p.335.-- *Richardson, 1900, p.306.-- *Richardson, 1901, p.575.-- Richardson, 1904, p.49 (Tokyo; Misaki).-- *Jackson, 1922.-- *Arcangeli, 1927.-- 内海 [原海動], 1956, p.54, pl.27, no.5 (本州以南の日本各地, 印度太平洋, 北アメリカ沿岸, 高潮線付近の岩の間).-- 内海・西村・鈴木 [標原海], 1971, p.76, p.1.25, no.6 (本州以南, 中国, 北米, 海岸の岩の上).-- Nunomura, 1975, p.34 (Okuwa; Tomogashima; Jogasaki & Tagurazaki, Wakayama City, Wakayama Pref.; Tannowa; Nagasaki & Misaki-koen, Misaki-cho; mouth of Otsugawa River, Tadaoka-cho, Osaka Pref.; Nakamura, Hokutan-cho, Hyogo Pref.; Atsuhama, Awaji I., Hyogo Pref.).-- Nunomura, 1980, p.14 (Toyama City, Toyama Pref.).-- Nunomura, 1981a, p.59 (Tassya, Aikawamachi, Sado I., Niigata Pref.).-- Nunomura, 1983a, p.25, fig. 1 (Aomori Pref., to Tanegashima I.).-- Nunomura, 1985d, p.135 (Iwase; Amaharashi; Nakanami; Kurosaki & Ogi, all Toyama Bay).-- 布村, 1987, p.4 (大槌湾赤浜センター前突堤, 吉里; 山田町田ノ浜, 宮古市浄土ガ浜; 釜石市両石, 久慈湾).-- 布村 [日土検], 1991, p.58, figs. 175 & 195-1 (世界中に広く分布, 日本では青森〜大隅諸島に分布, 汀線付近, 飛沫帯から海岸林).-- 布村, 1993, p.87.-- 布村 [検日海], 1995, p.228, pl. 82-8 (世界共通種, 日本では本州, 四国, 九州および付近の島々, 低潮線付近に多い).-- 布村, 1998, p.43 (石川県内浦町, 七尾市, 富来町, 志賀町).-- 布村, 1999a, p.84.-- 布村, 1999b, p.33 (富山湾氷見海岸中波).-- 西村 [学水動], 1981, pp.97 & 302 (本州以南の海岸, 岩礁上・崖壁・栈橋・船などに群れをなす).-- 武田 [原甲検], 1982, p.236, no.704 (本州以南, 中国, インド, 北アメリカの太平洋岸と大西洋岸, 海岸にごく普通).-- 武田 [山溪海], 1994, p.278, no. 2 (江ノ島).-- Nunomura, 1999b, p.24 (Ishijirokawa, Shikine I.; Sabiga-hama Hijikata, Miyake I., Izu Is.).-- 稲葉, 1988, p.134 (瀬戸内海全域).

Ligia grandis, *Perty, 1830.

Ligia grandichaudii, *Milne-Edwardsi, 1840.

Ligia italica coriacea, *Koch, 1853-1844.

Ligyda exotica, Richardson, 1905, p.676, figs. 716-718 (Misaki, Sagami; Tokyo).-- Thielemann, 1910, p.77 (Tokio & Misaki).-- Richardson, 1909, p.125 (Matsushima, shore).

Ligia (Megaligia) exotica, 椎野 [原動大], 1961, p.125, pl.62, no.3 (支那・印度・北米両岸に広く分布する. 本州以南の海岸・岩礁の汀線に極めて普通).-- 椎野 [新日動], 1965, p.554, no.766 (本州以南の海岸に普通. シナ・アメリカ大陸にも分布).

Megaligia exotica, [旧日動], 1957, p.807, fig. 2324 (本州以南の海岸に最も普通にみられ中国にも分布).-- 岩佐, 1965, p.56, 57, 58 (釜山, 済州; 基隆; 沖縄県宮古島・石垣島・西表島).

? *Ligia cf. exotica*, Shimomura & Mawatari, 1999, p.48 (Tokyo bay).

***Ligia hachijoensis* Nunomura, 1999** ハチジョウフナムシ

Nunomura, 1999b, p.25, fig. 8 (Shioma & Yaene, Hachijo I., Izu Is.).

***Ligia miyakensis* Nunomura, 1999** ミヤケフナムシ

Nunomura, 1999b, p.27, fig. 9 (Chotaro-Ike, Tsubota; Tubota Port; Megane-iwa; Yakengehama; Sabiga-hama; Igaya, Ofunato; Kamitsuki, Yunohama, Miyake I., Izu Is.).

***Ligia ryukyuensis* Nunomura, 1983** リュウキュウフナムシ

Nunomura, 1983a, p.30, figs. 4-5 (Port of Tokashiki, Tokashiki I., Tokashiki-son, Shimajiri-gun; Oujima, Tamagusuku-son, Shimajiri-gun; China-zaki, Chinen-son, Shimajiri-gun; Hayakuma-beach, Tamagusuku-son, Shimajiri-gun; sea-road of Katsuren-Henza, Yonagushuku-son, Nakagami-gun, all Okinawa I.; Sarahama-beach, Irabu-son, Irabu Is; Karimata, Hirara City, both Miyako I.; Sumiyoshi; Sonai, Iriomote I., both Yaeyama Is.; Uotsuri-I., Senkaku Is., Ishigaki City, Okinawa Pref; Shiromata, China-cho, Okinoerabu I.; Chiji-zaki, Yoron I., both Osumi-gun, Kagoshima Pref.). -- 布村 [日土検], 1991, p.58, figs.175 & 195-3 (奄美大島〜八重山諸島, 汀線から飛沫帯).-- 布村, 1993, p.87.-- 布村 [検日海], 1995, p.228, fig. 21-204B (奄美大島から八重山群島にいたる南西諸島).-- 布村, 1999a, p.84.-- 福田, 1990, p.14 (沖縄).

***Ligia yamanishii* Nunomura, 1990** アシナガフナムシ (オナガフナムシ)

Nunomura, 1990, p.42, figs. 158-159 (under stone near the high tide mark, Hatsune-ura, Chichi-jima I., Ogasawara-mura, Ogasawara Is., Tokyo Pref.).-- 布村 [検日海], 1995, p.228, fig. 21-204C (小笠原諸島の海岸).-- 布村, 1999a, p.84.

***Ligia* sp. Nunomura, 1998** フナムシ属の1種

布村, 1998, p.43 (石川県内浦町).

***Ligidium iyoense* Nunomura, 1983** イヨチビヒメフナムシ

Nunomura, 1983a, p.46, figs. 15-16 (Narayabu, Yanadani-mura, Kamiukena-gun, Ehime Pref., from litter zone, 600m in altitude).-- 布村 [日土検], 1991, p.59, figs.176 & 196-3 (愛媛県上浮穴郡の山地森林落葉中).-- 布村, 1993, p.87.-- 布村, 1999a, p.84.

***Ligidium japonicum* Verhoeff, 1918** ニホンヒメフナムシ (ヒメフナムシ, ヤマフナムシ)

*Verhoeff, 1918.-- *Jackson, 1923.-- 岩本, 1943, p.20, no. 1, figs. 3-4 (長野県熊の平, 軽井沢, 箱根).-- 岩佐 [旧日動], 1957, p.808, fig. 2325 (本邦諸地方の海岸より山地に至る各所の枯葉の下等温りたる処好む).-- 椎野 [新日動], 1965, p.554, no.767 (わが国の海岸より山地の湿地帯を好み, 森林の枯葉の堆積の下などに見いだされる).-- Nunomura, 1980, p.14 (near the Hioki-bashi, across the Joganji River, Toyama City, Toyama Pref.).-- Nunomura, 1981a, p.59 (Toji River, Sado I., Niigata Pref., from under leaves near the upper stream).-- Nunomura, 1983a, p.36, fig. 7 (Hokkaido to Shikoku).-- 武田 [原甲検], 1982, p.237, no.708 (日本各地. 山地の湿地, 森林や谷川近くの枯葉の下などに多数).-- Saito, 1986, p.47 (western part of Gunma Pref.).-- 布村, 1987, p.4 (大槌湾吉里, 赤浜; 山田町船越, 荒神).-- 布村 [日土検], 1991, p.58, figs.176 & 195-5 (北海道, 本州の湿った森林の落葉相に極めて多産).-- 布村, 1993, p.87.-- 布村, 1998, p.43 (石川県内浦町, 輪島市, 金沢市, 津幡町, 加賀市, 鶴来町, 鳥越村, 吉野谷村, 白峰村, 石川郡).-- 布村, 1999a, p.84.

***Ligidium kiyosumiense* Nunomura, 1983** キヨスミチビヒメフナムシ

Nunomura, 1983a, p.43, figs. 12-14 (Mt. Kiyosumi-yama & Kamegasawa, Amatsukominato-machi, Awa-gun, Chiba Pref.).-- 布村 [日土検], 1991, p.59, figs.176 & 196-2 (千葉県清澄山).-- 布村, 1993, p.87.-- 布村, 1999a, p.84.

***Ligidium koreanum* Flasarova, 1972** チョウセンヒメフナムシ

Nunomura, 1983a, p.38, fig. 8 (various localities in Kyushu).-- 布村 [日土検], 1991, p.58, figs.176 & 195-6 (九州, 対馬, 朝鮮半島の湿潤な森林の落葉層).-- 布村, 1993, p.87.-- 布村, 1999a, p.84.

***Ligidium paulum* Nunomura, 1976** ニホンチビヒメフナムシ

*Nunomura, 1976.-- Nunomura, 1983a, p.42, fig. 11 (Nakayama-ootaki, Saji-mura, Yazu-gun, Tottori Pref.; Oiwake, Shin-hikida, Tsuruga-City, Fukui Pref.; Ashu, Miyama-cho, Kitakuwata-gun, Kyoto Pref.).-- 布村 [日土検], 1991, p.59, figs.176 & 196-1 (京都府, 福井県, 鳥取県の落葉層下部と無機質土層の間).-- 布村, 1993, p.87.-- 布村, 1999a, p.84.

***Ligidium ryukyuese* Nunomura, 1983** リュウキュウヒメフナムシ

Nunomura, 1983a, p.39, figs. 9-10 (Sumiyo River, Yamato-son, Amami-oshima, Mt. Yuwan-dake, Uken-son, both Ousima-gun, Kagoshima Pref.; Mt. Mishime-dake & Okuma, Kunigami-son, Kunigami-gun, Okinawa I.; Mt. Omoto-dake Ishigaki City, Ishigaki I., Yaeyama Is., all Okinawa Pref.).-- 布村 [日土検], 1991, p.58, figs.176 & 195-7 (奄美大島, 沖縄, 八重山諸島, 尖閣列島の湿潤な森林).-- 布村, 1993, p.87.-- 布村, 1999a, p.84.

Family Trichoniscidae : ナガラジムシ科

***Haplophthalmus danicus* Budde-Lund, 1879** ナガラジムシ

*Budde-Lund, 1879, p.9.-- Nunomura, 1983a, p.63, fig. 27 (Karikawa, Yuza-cho, Akumi-gun, Yamagata Pref.; Sendai, Sendai City, Miyagi Pref.; Sasazu, Edozaki-cho, Ibaraki Pref.; Nurido, Ryugasaki City, Ibaragi Pref.; Mihara-cho, Tamura-gun, Fukushima Pref.; Fusiki, Takaoka City, Toyama Pref.; Tokiwa-machi, Kanazawa City, Ishikawa Pref.; Kivatari, Yoshinodani-mura, Ishikawa-gun, Ishikawa Pref.; Wakasa-hime-jinja, Obama City, Fukui Pref.; Tsubata-miya, Tsu City, Mie Pref.; Shin machi, Kita Park, Nishi-ku, Osaka City, Osaka Pref.).--

布村 [日土検], 1991, p.59, figs.177 & 196-10 (宮城県, 山形県から大阪府にいたる本州中北部の森林や公園等).-- 布村, 1993, p.88.-- 布村, 1998, p.44 (石川県金沢市).-- 布村, 1999a, p.85.

***Hondoniscus kitakamiensis* Vandel, 1968** ホンドワラジムシ

Hondoniscus kitakamiensis *Vandel, 1968, p.356, figs. 2-4.-- 布村 [日土検], 1991, p.59, figs.177 & 196-8 (岩手県竜泉洞).-- 布村, 1993, p.88.-- 布村, 1999a, p.85.

Hondoniscus kitamiensis[sic.], Nunomura, 1983a, p.59, fig. 24 (from cave called "Ryusen-do", Kannari, Mt. Mitakami, Iwaizumi-cho, Shimohei-gun, Iwate Pref.).

***Hondoniscus mogamiensis* Nunomura, 1990** モガミワラジムシ

Nunomura, 1990, p.49, fig. 162 (Suginoiri, Mogami-machi, Mogami-gun, Yamagata Pref.).-- 布村, 1999a, p.85.

***Hyloniscus cornutus* Nunomura, 1983** ツノホラワラジムシ

Hyloniscus cornutus, 布村 [日土検], 1991, p.59, figs.178 & 196-6 (和歌山県竜神村や大塔村の廃坑等).-- 布村, 1993, p.88.-- 布村, 1999a, p.85.

Hyloniscus cornutus[sic.] Nunomura, 1983a, p.54, figs. 20-21 (old mine, calle called "Tamadani-ko", Tamadani, Ryujiin-mura, Hidaka-gun; ruinde mine, Shimodaira, Aikawa, Oto-mura, Nishimuro-gun, both Wakayama Pref.).

***Hyloniscus kiiensis* Nunomura, 1990** キイホラワラジムシ

Nunomura, 1990, p.46, fig. 161 (Gonji-ana, alt. ca 170m, Kawabe-cho, Hidaka-gun; Gochi-dani, alt. ca 180m, Shirahama-cho, Nishimuro-gun, both Wakayama Pref.).-- 布村, 1999a, p.85.

***Hyloniscus kuramotoi* Nunomura, 1983** クラモトホラワラジムシ

Nunomura, 1983a, p.56, figs. 22-23 (calcareous cave called "Sazare-do", Fukue-mura, Abu-gun, Yamaguchi Pref.).-- 布村 [日土検], 1991, p.59, figs.178 & 196-7 (山口県佐々連洞).-- 布村, 1993, p.88.-- 布村, 1999a, p.85.

***Hyloniscus nishikawai* Nunomura, 1990** ニシカワホラワラジムシ

Nunomura, 1990, p.44, fig. 160 (abandoned mine adit, between Iwami-ginzan and Omori-machi, Ooda City, Shimane Pref.).-- 布村, 1999a, p.85.

***Hyloniscus uenoi* Vandel, 1968** アワメクラワラジムシ (ウエノホラワラジムシ)

*Vandel, 1968.-- Nunomura, 1983a, p.50, fig. 18 (Himisedo, Hiraeyama, Nagayasu, Kaminaka-cho, Naka-gun; Ryu-no-iwaya, Kurago, Mt. Tairyuji-san, Anan City, Togen-daiichi-do, Takano, Mt. Hizukayama, Naka-gun, all Tokushima Pref.).-- 布村 [日土検], 1991, p.59, figs.178 & 196-4 (徳島県, 高知県, 兵庫県の石灰洞).-- 布村, 1993, p.88.-- 布村, 1999a, p.85.

***Hyloniscus unidentatus* Vandel, 1970** ヒトツトゲホラワラジムシ

Hyloniscus unidentatus, Vandel 1970, p.354-356, 布村 [日土検], 1991, p.59, figs.178 & 196-5 (奈良県の石灰洞).-- 布村, 1993, p.88.-- 布村, 1999a, p.85.

Hyloniscus unidentatus[sic.], Nunomura, 1983a, p.52, fig. 19 (calcareous cave called "Shoten-no-iwaya" at Kashiwagi, Kawakami-mura, Yoshino-gun, Nara Pref.).

***Trichoniscus* (?) sp.1 Nunomura, 1983** チビワラジムシ属の1種

Nunomura, 1983a, p.60, fig. 25 (Sueyoshi, Shuri, Naha City, Okinawa I., Okinawa Pref.).-- 布村 [日土検], 1991, p.59, figs. 177 & 196-9.-- 布村, 1993, p.88.

***Trichoniscus* (?) sp.2 Nunomura, 1983** チビワラジムシ属の1種

Nunomura, 1983a, p.62, fig. 26 (Uotsri I., Senkaku Is., Ishigaki City, Okinawa Pref.).

Family Olibrinidae : ヒゲナガワラジムシ科

***Marinoniscus aestuari* Nunomura, 1992** イリエミギワラジムシ

Nunomura, 1992a, p.6, fig. 181 (esutuary of the Oura River, Nagao City, Okinawa I., Okinawa Pref.).-- 布村 [検日海], 1995, p.230, fig. 21-204H (沖縄本島北部の河口域, 潮間帯, とくに転石下).-- 布村, 1999a, p.86.

***Marinoniscus hachijoensis* Nunomura, 1999** ハチジョウミギワラジムシ

Nunomura, 1999b, p.30, fig. 10 (intertidal zone of Okataura, Hachijo I., Izu Is.).

Marinoniscus miyakensis Nunomura, 1999 ミヤケミギワワラジムシ

Nunomura, 1999b, p.32, fig. 11 (intertidal zone of Chotaro-Ike, Tsubota, Miyake I., Izu Is.).

Marinoniscus kosugei Nunomura, 1992 コスゲミギワワラジムシ

Nunomura, 1992a, p.4, fig. 180 (intertidal zone on the sandy bottom of the esutuary of the mouth of Yuhi River, Tamagusuku-son and transverse to Gushikami-son, Okinawa I., Okinawa Pref.).-- 布村 [検日海], 1995, p.230, fig. 21-204G (沖縄本島南部の河口域).-- 布村, 1999a, p.86.

Marinoniscus nomurai Nunomura, 1992 ノムラミギワワラジムシ

Nunomura, 1992a, p.8, fig. 188 (Kametsu, Tokunoshima I., Kagoshima Pref.).-- 布村 [検日海], 1995, p.230, fig. 21-204I (奄美大島の徳之島).-- 布村, 1999a, p.86.

Marinoniscus pacificus Nunomura, 1990 クロシオミギワワラジムシ

Nunomura, 1990, p.56, figs. 166-167 (Sabiura, Kushimoto-cho, Nishimuro-gun, Wakayama Pref.).-- 布村 [検日海], 1995, p.229, pl. 82-9 (和歌山県潮岬付近の転石海岸の潮間帯).-- 布村, 1999a, p.86.

Marinoniscus tomiokaensis Nunomura, 1986 トミオカミギワワラジムシ

Nunomura, 1986, p.6, fig. 58 (on the muddy bottom along big rock, intertidal zone of Shiraiwa-zaki, Tomioka, Reihoku-cho, Kumamoto Pref.).-- 布村 [日土検], 1991, p.60, figs.173 & 196-14 (熊本県天草. 潮間帯).-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.229, fig. 21-204F (熊本県天草の砂利海岸潮間帯).-- 布村, 1999a, p.86.

Marinoniscus sp. Nunomura, 1986 ミギワワラジムシ属の1種

Nunomura, 1986, p.8, figs. 59-60 (Cina-cho, Okinoerabu I., Oshima-gun, Kagoshima Pref., from the bare land near the sea shore).

Olibrinus elongatus Nunomura, 1983 ホソヒゲナガワラジムシ

Olibrinus[sic.] elongatus Nunomura, 1983a, p.66, figs. 29-30 (Maeda-misaki, Onna-son, Kunigami-gun, Okinawa I., Okinawa Pref., from under stones of coral reef, 200m off shore).

Olibrinus elongatus, 布村 [日土検], 1991, p.59, figs.173 & 196-11 (沖縄本島の沖合い200mの珊瑚礁).-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.229, fig. 21-204D (沖縄本島のサンゴ礁潮間帯の石の下).-- 布村, 1999a, p.86.

Olibrinus kushimotoensis Nunomura, 1992 クシモトヒゲナガワラジムシ

Nunomura, 1992a, p.2, fig. 179 (intertidal zone on sandy bottom near big rocks Shionomisaki, Kushimoto-cho, Wakayama Pref.).-- 布村 [検日海], 1995, p.229, fig. 21-204E (和歌山県串本町の潮間帯).-- 布村, 1999a, p.86.

Family Scyphacidae : ウミベワラジムシ科

Alloniscus balssi (Verhoeff, 1928) ニホンタマワラジムシ (タマワラジムシ)

Japanoniscus balssi *Verhoeff, 1928, 32, figs. 7-16.

Alloniscus balssi, *Arcangely, 1965.-- Nunomura, 1984a, p.22, figs. 42-45 (various parts of central and southern Japan).-- Nunomura, 1985d, p.136 (Kokubu & Oosakai, Toyama Bay).-- 布村 [日土検], 1991, p.60, figs.180 & 197-6 (新潟県, 福島県~大隅諸島にかけての自然海岸の飛沫帯~海岸林の落葉中).-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205F (新潟県, 茨城県から大隅諸島まで. 飛沫帯の石や落葉の下などにしばしば多産).-- 布村, 1998, p.44 (石川県富来町, 七ツ島, 荒三子島, 舳倉島, 羽咋市).-- Nunomura, 1999b, p.35 (Taredo; Yokonagaura, Hachijo I.; Sabigahama; Komitsuki-yunohana; Nabeta, Miyake I.; Ishijirokawa, Shikine I., Izu Is.).-- 布村, 1999b, p.33 (富山湾氷見海岸大境).-- 布村, 1999a, p.85.

?*Alloniscus perconvexus* *Dana, 1854, p.176.-- *Stimpson, 1857, p.506.-- *Harford, 1877.-- *Budde-Lund, 1879.-- *Budde-Lund, 1885, p.225.-- *Budde-Lund, 1908.-- *Underwood, 1886, p.360.-- *Stebbing, 1893.-- *Richardson, 1899, p.864.-- *Richardson, 1899, p.332.-- *Richardson, 1900, p.305.-- Richardson, 1905, p.596, figs. 562-654.-- *Stafford, 1912-13.-- *Arcangeli, 1932.-- *Van Name, 1936.-- 岩佐 [旧日動], 1957, p.809, fig. 2328 (海岸に棲み広き分布を有す).-- 岩佐, 1965, p.59 (沖縄県沖縄島・宮古島・西表島).-- 椎野 [新日動], 1965, p.555, no.770 (本州沿岸, 海浜に打ち上げられた海藻, ゴミの間等に生息, 分布域は広く, 北米カリフォルニアにもすむ).-- Nunomura, 1981a, p.59 (Tassya, Aikawa-nachi, Sado I., Niigata Pref.).-- 武田 [山溪海], 1994, p.278, no. 3 (長者ヶ崎).

Alloniscus tsushimaensis Nunomura, 1984 ツシマタマワラジムシ, Nunomura, 1984a, p.31, fig. 48 (between Shitaru and Ina, Kamiagata-cho, Kamiagata-gun, Tsushima I., Nagasaki Pref.)-- 布村 [日土検], 1991, p.60, figs.179 & 197-8 (対馬下島)-- 布村, 1993, p.88.

***Alloniscus boninensis* Nunomura, 1984 オガサワラタマワラジムシ**

Nunomura, 1984a, p.28, figs. 46-47 (Kuwanokiyama, *Bischofia japonica* forest, 260m in altitude Hahajima I.; Sekimon-zan, Hahajima; south of Yoakeyama, Chichijima I., Bonin Is., Tokyo Pref.)-- 布村 [日土検], 1991, p.60, figs.180 & 197-7 (自然海岸の飛沫帯~海岸林の落葉中)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.231 (小笠原諸島)-- 布村, 1999a, p.85.

***Alloniscus maculatus* Nunomura, 1984 マダラタマワラジムシ**

Nunomura, 1984a, p.27, figs.52-53 (Hikawa, Yonakuni I., Okinawa Pref.)-- 布村 [日土検], 1991, p.60, figs.180 & 197-10 (沖縄県の与那国島の常緑樹林)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.231 (与那国島)-- 布村, 1999a, p.85.

***Alloniscus ryukyuensis* Nunomura, 1984 リュウキュウタマワラジムシ**

Nunomura, 1984a, p.32, figs. 49-51 (Sokoji & Yonehara, Ishigaki I.; Kohama I.; Toyohara & Sumiyoshi, Iriomote I.; Taketomi I., Yaeyama Is.; Minna I.; Sarahama, Irabu I.; Painagama Beach & Karimata, Hirara City, Miyako I.; Komesu, Itoman City, Okinawa I., all Okinawa Pref.)-- 布村 [日土検], 1991, p.60, figs.180 & 197-9 (琉球列島の海岸林, 砂浜海岸の飛沫帯やラック堆などに普通)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.231, fig. 21-205G (奄美大島から八重山群島までの飛沫帯の石の下や落葉の下)-- 布村, 1999a, p.85.

***Alloniscus* sp. Nunomura, 1984 タマワラジムシ属の1種**

Nunomura, 1984a, p.40, fig. 54 (Uotsuri I., Senkaku Is., Okinawa Pref.)-- 布村 [日土検], 1991, p.60, figs.180 (魚釣島)-- 布村, 1993, p.88.

***Armadilloniscus albus* Nunomura, 1984 シロハマワラジムシ**

Nunomura, 1984a, p.16, figs. 38-39 (Nagamatsu, near Nagasaki, Misaki-cho, Sennan-gun, Osaka Pref., most pebbles of upper part of tidal zone)-- 布村 [日土検], 1991, p.60, figs.181 & 197-4 (大阪府岬町の高潮付近の砂利海岸)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205D.-- 布村, 1999a, p.85. -- 稲葉, 1988, p.134 (大阪府泉南町長崎).

***Armadilloniscus amakusaensis* Nunomura, 1984 アマクサハマワラジムシ**

Nunomura, 1984a, p.19, fig. 40 (Tomoe-zaki, Tomioka, Reihoku-cho, Kumamoto Pref.)-- 布村 [日土検], 1991, p.60, figs.181 & 197-5 (熊本県天草の海岸)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230.-- 布村, 1999a, p.85.

***Armadilloniscus brevinaseus* Nunomura, 1984 ハナビロハマワラジムシ**

Nunomura, 1984a, p.13, figs. 36-37 (Tagura-zaki, Wakayama City, Wakayama Pref.)-- 布村 [日土検], 1991, p.60, figs.181 & 197-3 (和歌山県ならびに山口県の海岸)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205E.-- 布村, 1999a, p.85.

***Armadilloniscus hoshikawai* Nunomura, 1984 ホシカワハマワラジムシ**

Nunomura, 1984a, p.9, figs. 34-35 (Komesu, Itoman City, Okinawa I., Okinawa Pref.)-- 布村 [日土検], 1991, p.60, figs.181 & 197-2 (沖縄本島糸満市の海岸)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230.-- 布村, 1999a, p.85.

***Armadilloniscus japonicus* Nunomura, 1984 ニホンハマワラジムシ**

Nunomura, 1984a, p.6, figs.32 & 33 (Sakurajima-machi, Kagoshoma-gun, Kagoshima Pref.; Yoshimi & Sujigahama, Shimonoseki City, Yamaguchi Pref.; Sakata, Shirhama-machi, Nishimuro-gun, Wakayama Pref.; Sakanoura, Sakai City, Osaka Pref.; Tenjin-jima, Sashima, Yokohama City, Kanagawa Pref.; Asamushi, Aomori City, Aomori Pref.; Kamo, Saigo-cho, Oki-I., Shimane Pref.; Ryoishi, Kamaishi City, Iwate Pref.)-- Nunomura, 1985d, p.136 (Kyoden & Yatsugasaki, Toyama Bay)-- 布村, 1987, p.4 (釜石市両石; 山田町織笠川河口; 宮古市浄土ガ浜)-- 布村 [日土検], 1991, p.59, figs.181 & 197-1 (青森県から鹿児島県までの日本海側および太平洋側の海浜域. 砂利海岸の飛沫帯の砂利の間の海水がしみでているあたり)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205C (本州から九州. 砂利海岸や磯海岸の潮間帯, 飛沫帯の地下水のしみでているところ)-- 布村, 1998, p.44 (石川県志賀町)--

Nunomura, 1999b, p.35 (Yokonagaura, Hachijo I., Izu Is.)-- 布村, 1999a, p.85.

***Armadilloniscus tuberculatus* (Holmes & Gay, 1909) ハマワラジムシ**

Actoniscus tuberculatus *Holmes & Gay, 1909.

Armadilloniscus tuberculatus, *Van Name, 1936.-- 椎野 [新日動], 1965, p.555, no.771 (本州太平洋岸. 打ち上げられた海藻の堆積中にすむ. 北米カリフォルニアも分布).-- Nunomura, 1981a, p.59 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).

***Detonella japonica* Nunomura, 1984 ハマベワラジムシ**

Nunomura, 1984a, p.2, fig. 31 (Shiriuchi, Sgiriuchi-cho; Tobetsu & Moheji, Kamiiso-cho, Kamiiso-gun, Hokkaido Pref.)-- Nunomura, 1991b, p.44 (Shiri-uchi; Tobetsu, kamiiso cho; Moheji, Kamiiso cho, all Hokkaido Pref.)-- 布村 [日土検], 1991, p.59, figs.179 & 196-13 (北海道上磯郡一帯. 砂利海岸の飛沫帯から潮間帯上部の砂の間に海水のしみでているあたり).-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205B (北海道南部の知内町および上磯町の砂~砂利海岸の飛沫帯).-- 布村, 1999a, p.85.

***Detonella sachalina* Verhoeff, 1942**

Trichoniscus papillicornis (non Richardson, 1904), Gurjanova, 1936b, p.213, fig. 136 (the Sea of Japan).-- *Gurjanova, 1959, p.230.

Detonella sachalina *Verhoeff, 1942, p.172, figs. 98-12.-- Kussakin, 1974, p.262, fig. 29 (intertidal zone of Kurile Is.)-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.)-- Kussakin, 1979b, p.122 (Okhotsk Sea, 0m deep).

Detonella papillicornis (non Richardson, 1904), *Kussakin, 1956, p.114.

***Koshiniscus notoimensis* Nunomura, 1990 ノトチョウチンワラジムシ**

Nunomura, 1990, p.51, figs. 163-164 (in the crevice of artificial stone wall, supratidal zone on Yatsugasaki-shore, Notojima-cho, Notojima I., Kashima-gun, Ishikawa Pref.)-- 布村, 1998, p.44 (石川県能登島).-- 布村, 1999a, p.86.

***Quelpartoniscus nipponensis* (Nunomura, 1986) ニッポンウミベワラジムシ**

Scyphax nipponensis Nunomura, 1986, p.3, figs. 56-57 (pebble shore, upper tidal zone of Nagasaki, Misaki-cho, Sennan-gun, Osaka Pref.)-- 布村 [日土検], 1991, p.59, figs.179 & 196-12 (大阪府泉南部. 砂利海岸の飛沫帯~潮間帯上部の砂の間の海水のしみでてきているあたり).-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.230, fig. 21-205 A (大阪府岬町. 砂利海岸の飛沫帯で, 砂利海岸の間の海水がしみでているあたり).

Quelpartoniscus nipponensis, 布村, 1999a, p.86.

***Quelpartoniscus tsushimaensis* (Nunomura, 1990) ツシマウミベワラジムシ**

Scyphax tsushimaensis Nunomura, 1990, p.53, fig. 165 (beach of Nain-hama, near Tsutsu, Izuhara-cho, Shimogata-gun, Tsushima I., Nagasaki Pref.)-- 布村 [検日海], 1995, p.230 (対馬).

Quelpartoniscus tsushimaensis, 布村, 1999a, p.86.

***Quelpartoniscus* sp. Nunomura, 1999 サイシュウウミベワラジムシ属の1種**

Nunomura, 1999, p.35, fig. 12 (Igaya-ofunato, Miyake I., Izu Is.).

Family Philosciidae : ヒメワラジムシ科

***Anchiphiloscia iriomotensis* (Nunomura, 1986) イリオモテモリワラジムシ**

Setaphora iriomotensis Nunomura, 1986, p.46, figs. 84-85 (Toyohara Beach & Funaura, both Iriomote I., Okinawa Pref.)-- 布村 [日土検], 1991, p.62, figs.186 & 199-7 (沖縄県八重山群島の西表島の森林や草むら).-- 布村, 1993, p.88.

Anchiphiloscia iriomotensis, 布村, 1999a, p.87.

***Anchiphiloscia ishigakiensis* (Nunomura, 1986) イシガキモリワラジムシ**

Setaphora ishigakiensis Nunomura, 1986, p.43, figs. 82-83 (Arakawa, Yonehara, Kabira & Mt. Banna-dake, all Ishigaki I., Okinawa Pref.)-- 布村 [日土検], 1991, p.62, figs.186 & 199-6 (沖縄県八重山群島の石垣島の森林や草むら).-- 布村, 1993, p.88.

Anchiphiloscia ishigakiensis, 布村, 1999a, p.87.

***Anchiphiloscia yonakuniensis* (Nunomura, 1986)** ヨナクニモリワラジムシ

Setaphora yonakuniensis Nunomura, 1986, p.48, figs. 86-87 (Urabu-dake, Yonakuni I., Okinawa Pref.)-- 布村 [日土検], 1991, p.62, figs.185 & 199-8 (沖縄県八重山群島与那国島)-- 布村, 1993, p.88.

Anchiphiloscia yonakuniensis, 布村, 1999a, p.87.

***Burmoniscus aokii* (Nunomura, 1986)** アオキモリワラジムシ

Setaphora aokii Nunomura, 1986, p.41, fig. 81 (forest of *Livitsona chinensis* var. *boninensis*, east side of Mt. Mikazukiyama, Chichijima I., Bonin Is., Tokyo Pref.)-- 布村 [日土検], 1991, p.61, figs.185 & 199-5 (小笠原諸島父島)-- 布村, 1993, p.88.

Burmoniscus aokii, 布村, 1999a, p.87.

***Burmoniscus boninensis* (Nunomura, 1986)** オガサワラモリワラジムシ

Setaphora boninensis Nunomura, 1986, p.33, figs. 76-77 (forest of *Leucaena glauca*, south of Miyano-hama, Chichi-jima I., Bonin Is., Tokyo Pref.)-- 布村 [日土検], 1991, p.61, figs.187 & 199-2 (小笠原諸島父島)-- 布村, 1993, p.88.

Burmoniscus boninensis, 布村, 1999a, p.87.

***Burmoniscus daitoensis* (Nunomura, 1986)** ダイトウモリワラジムシ

Setaphora daitoensis Nunomura, 1985, p.31, figs. 74-75 (Minami-daito I., Okinawa Pref.)-- 布村 [日土検], 1991, p.61, figs.187 & 199-1 (南大東島の森林)-- 布村, 1993, p.88.

Burmoniscus daitoensis, 布村, 1999a, p.87.

***Burmoniscus japonica* (Nunomura, 1986)** ヤマトモリワラジムシ

Setaphora japonica Nunomura, 1986, p.22, figs. 68-69 (Fujishirozaka, Fujishiro, Kainan City, Wakayama Pref.; Fukaematsuzue, Nijou-chou, Itoshima-gun, Fukuoka Pref.; Kofu-machi, Kamegawa, Beppu City, Ooita Pref.; Ibi, Nichinan City, Miyazaki Pref.; Shimadomari, Sata-cho, Kimotsuki-gun, Kagoshima Pref.; Chuo-kouen, Kanoya City, Kagoshima Pref.; Shiroyama-kouen)-- 布村 [日土検], 1991, p.61, figs.187 & 198-10 (紀伊半島~九州. 湿潤な森林の落葉中)-- 布村, 1993, p.88.

Burmoniscus japonica, 布村, 1999a, p.87.

***Burmoniscus murotoensis* (Nunomura, 1986)** ムロトモリワラジムシ

Setaphora murotoensis Nunomura, 1986, p.25, figs. 70-71 (Sakiyama, Muroto City, Kochi Pref.; Tachibana-cho, Anan City, Tokushima Pref.; Gotanda, Kawamai, Yawatahama City, Ehime Pref.; Somedake, Hondo City; Einoo-tsurugi-jinja, Shiranuri-cho, Uto-gun; Kikaigaura, Amakusa-cho, Amakusa-gun, Kumamoto Pref.)-- 布村 [日土検], 1991, p.61, figs.186 & 198-11 (四国各地と九州の宮崎県, 熊本県の湿潤な森林)-- 布村, 1993, p.88.

Burmoniscus murotoensis, 布村, 1999a, p.87.

***Burmoniscus okinawaensis* (Nunomura, 1986)** オキナワモリワラジムシ

Setaphora okinawaensis Nunomura, 1986, p.28, figs. 72-73 (Sueyoshi, Naha City; Okuma Beach, Henntona, Kunigami-son; Ton-zaki, Tatsugou-son, all Okinawa I., Okinawa Pref.; Nakanoshima I., Tokara Is.; Sakai, Nakatane-cho, Tanegashima I., Kagoshima Pref.)-- 布村 [日土検], 1991, p.61, figs.187 & 198-12 (沖縄本島, 奄美大島, トカラ列島, 屋久島の湿潤な森林や敷)-- 布村, 1993, p.88.

Burmoniscus okinawaensis, 布村, 1999a, p.87.

***Burmoniscus shibatai* (Nunomura, 1986)** シバタモリワラジムシ

Setaphora shibatai Nunomura, 1986, p.39, fig. 80 (under the litter, Kushiken, China-cho, Okinoerabu I., Kagoshima Pref.)-- 布村 [日土検], 1991, p.61, figs.187 & 199-4 (鹿児島県沖永良部島)-- 布村, 1993, p.88.

Burmoniscus shibatai, 布村, 1999a, p.87.

***Burmoniscus watanabei* (Nunomura, 1986)** ワタナベモリワラジムシ

Setaphora watanabei Nunomura, 1986, p.36, figs. 78-79 (experimental forest of the Kyoto Univ., Shirahama-cho, Wakayama Pref.)-- 布村 [日土検], 1991, p.61, figs. 187 & 199-3 (和歌山県西牟婁郡の湿潤な森林)-- 布村, 1993, p.88.

Burmoniscus watanabei, 布村, 1999a, p.87.

***Littorophiloscia nipponensis* Nunomura, 1986** ニッポンヒイロワラジムシ

Nunomura, 1986, p.10, fig. 61 (Akasaki, Uchiura-cho, Suzu-gun; Sosogi, Wajima City, Ishikawa Pref.; mouth of Joganji River, near Hamakurosaki, Toyama City, Toyama Pref.; Ikeshima, Matsushima-cho, Amakusa-gun, Kumamoto Pref.; Kujiranami, Kashiwazaki City, Niigata Pref.; Kamo, Saigou-cho, Oki-gun, Shimane Pref.; Izumiyake, Miyake I., Tokyo Pref.)-- 布村 [日土検], 1991, p.60, figs.182 & 197-11 (日本海側(新潟県, 富山県, 石川県, 隠岐, 山口県)および一部茨城県, 熊本県. 飛沫帯の粗い砂の地下)-- 布村, 1993, p.88.-- 布村 [検日海], 1995, p.231, fig. 21-205H (海岸のクロマツ林に多産し, しばしば飛沫帯や潮間帯汀線付近にも出現)-- 布村, 1998, p.44 (石川県内浦町, 能登島町, 輪島市)-- 布村, 1999a, p.86.

Littorophiloscia hayashii ハヤシヒイロワラジムシ, Nunomura, 1986, p.12, figs. 62-63 (Tenjin-jima, Yokosuka City, Kanagawa Pref.; Asamushi, Aomori City, Aomori Pref.; Joudogahama, Miyako City, Iwate Pref.; Amatsukominato, Awa-gun, Chiba Pref.; Tagurozaki, Wakayama City, Wakayama Pref.)-- 布村, 1987, p.4 (岩手県山田町織笠川河口)-- 布村 [日土検], 1991, p.60, figs.182 & 197-12 (太平洋側(岩手県, 和歌山県)の飛沫帯の粗い砂の地下)-- 布村, 1993, p.88.

Littorophiloscia hyugaensis ヒュウガヒイロワラジムシ, Nunomura, 1986, p.17, figs. 65-66 (Aoshima, Miyazaki City, Miyazaki Pref.)-- 布村 [日土検], 1991, p.60, figs.182 & 198-2 (宮崎県. 潮間帯上部の砂中)-- 布村, 1993, p.88.

Littorophiloscia longicauda オナガヒイロワラジムシ, Nunomura, 1986, p.15, fig. 64 (Nikishima, Kumano City; Ichigi, Mihama-cho, Minamimuro-gun, Mie Pref.)-- 布村 [日土検], 1991, p.60, figs.182 & 198-1 (三重県南牟婁郡. 飛沫帯の粗い砂の地下)-- 布村, 1993, p.88.

***Leptophiloscia kiiensis* Nunomura, 1986** キイヤセワラジムシ

Nunomura, 1986, p.52, fig. 89 (Ichiki, Mihama-cho, Minamimuro-gun, Mie Pref.)-- 布村 [日土検], 1991, p.61, figs.183 & 198-3 (三重県御浜町の海岸の土壌中)-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Papuaphiloscia insulana* Vandel, 1970** エラブミナミワラジムシ

Nunomura, 1986, p.64 figs. 95-96 (cave called Yaja-go at Shijo, China-cho, Okinoerabu I., Ooshima-gun, Kagoshima Pref.)-- 布村 [日土検], 1991, p.61, figs.183 & 198-9 (奄美群島沖永良部島の洞穴)-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Papuaphiloscia terukubiensis* Nunomura, 1992** ヤンバルミナミワラジムシ

Nunomura, 1992a, p.10, fig. 183 (load side of forest, Terukubi-yama, Yona-son, Okinawa I., Okinawa Pref.)-- 布村, 1999a, p.86.

***Papuaphiloscia* sp. Nunomura, 1986** ミナミワラジムシ属の1種

Nunomura, 1986, p.66, fig. 97 (virgin forest of *Livistona subglobosa*, Minamidaito-jima I., Okinawa Pref.).

***Pentoniscus silvestri* Arcangeli, 1927**

Arcangeli 1927, p.266. 布村, 1993, p.88.

***Pseudophiloscia donanensis* Nunomura, 1986** ドナンニセヒメワラジムシ

Nunomura, 1986, p.54 fig. 90 (Mt. Kubura-dake, 50m in alt., Yonakuni I., Okinawa Pref.)-- 布村 [日土検], 1991, p.61, figs.184 & 198-4 (沖縄県与那国島)-- 布村, 1993, p.88.

***Pseudophiloscia haradai* Nunomura, 1986** ハラダニセヒメワラジムシ

Nunomura, 1986, p.60, fig. 93 (forest of *Bischofia javonica*, 260m in altitude, Kuwanoki-yama; forest of *Schima mertensiana*, 140m in alt.; forest of *Terminalia catappa*, 50m in alt., all Haha-jima I., Bonin Is., Tokyo Pref.)-- 布村 [日土検], 1991, p.61, figs.184 & 198-7 (小笠原諸島)-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Pseudophiloscia okinawaensis* Nunomura, 1986** オキナワニセヒメワラジムシ

Nunomura, 1986, p.57, fig. 91 (cave called Makigama, Kamiezu, Gushikawa City, Okinawa I., Okinawa Pref.)-- 布村 [日土検], 1991, p.61, figs.184 & 198-5 (沖縄本島の洞穴)-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Pseudophiloscia shimojanai* Nunomura, 1986** シモジャナニセヒメワラジムシ

Nunomura, 1986, p.58, fig. 92 (cave called Asakigama, Yoron-cho, Yoron I., Ooshima-gun, Kagoshima Pref.; cave called Ichimigama, Miyagi-jima, Yonagusuku-son, Okinawa Pref.)-- 布村 [日土検], 1991, p.61, figs.184 &

198-6 (奄美群島与論島および沖縄本島の洞穴).-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Pseudophiloscia tsukamotoi* Nunomura, 1986** ツカモトニセヒメワラジムシ

Nunomura, 1986, p.62, fig. 94 (Hirose, Towa-mura, Hata-gun, Kochi Pref.).-- 布村 [日土検], 1991, p.61, figs. 184 & 198-8 (高知県の森林土壤中).-- 布村, 1993, p.88.-- 布村, 1999a, p.86.

***Setaphora angusticauda* Budde-Lund, 1885**

Philoscia angusticauda Budde-Lund, 1885, p.216.

Setaphora angusticauda Budde-Lund, 1912, p.382.

Philoscia (Setaphora) angusticauda, 1927 p.259.

布村, 1993, p.88.

***Setaphora coeca* Budde-Lund, 1894**

Philoscia coeca Budde-Lund, 1894, p.611.

Philoscia (Setaphora) coeca Budde-Lund, 1927, p.262.

布村, 1993, p.88.

***Setaphora truncata* (Dollfus, 1898)**

Philoscia truncata Dollfus, in Weber, 1898, p.376.

Philoscia (Setaphora) truncata Arcangeli, 1927, p.260-261.

布村, 1993, p.88.

Family Oniscidae : ホンワラジムシ科

***Cubaris* sp. (nr. *C. grenadensis* Budde-Lund, 1893)**

岩佐, 1965, p.58 (沖縄県宮古島・石垣島・西表島).

***Exalloniscus cortii* Arcangeli, 1927** オカメワラジムシ

*Arcangeli, 1927, p.263, fig. 21.-- Nunomura, 1980, p.13, fig. 1 (Hikatae, coastal area of Toyama City, Toyama Pref., facing Toyama Bay).-- Nunomura, 1985d, p.136 (Hikatae, near Hamakurosaki, Toyama Bay).-- Nunomura, 1986, p.68, fig. 98 (Kourakuen Garden, Tokyo Pref.; Honmoku, Naka-ku, Yokohama City, Kanagawa Pref.; Hitakae & Taroumaru, Toyama City; Ikarabe, Takaoka City, Toyama Pref.; Ogi, Uchiura-cho, Suzu-gun, Ishikawa Pref.; Neko-dani near Kimio-toge, Hashimoto City, Wakayama Pref.; Amami, Kawachi-nagano City; Mino Park, Mino City; together with an ant, *Lasius niger* Linnaeus, Nagai Park, Higashi-sumiyoshi-ku, Osaka City; Hiraoka, Higashi-osaka City, all Osaka Pref.).-- 布村 [日土検], 1991, p.62, figs.174 & 199-9 (東京都, 富山湾から大阪府, 朝鮮半島(平壤), 中国(上海, 湖南, 天津など). 石の下, 庭, アリの巣).-- 布村, 1993, p.88.-- 布村, 1998, p.44 (石川県金沢市).-- 布村, 1999a, p.87.

***Philoscia* sp. Iwasa, 1965**

岩佐, 1965, p.58 (沖縄県石垣島・西表島).

Oniscidae sp. Nunomura, 1986 ホンワラジムシ科の1種

Nunomura, 1986, p.69, fig. 99 (among the wrack in high tidal zone, Tomoezaki, Tomioka, Reihoku-cho, Amakusa-gun, Kumamoto Pref.).

Family Trachelipidae : トウヨウワラジムシ科

***Agnara awaensis* (Nunomura, 1987)** アワサトワラジムシ

Protracheoniscus awaensis Nunomura, 1987, p.59, fig. (Bizan, Tokushima City, Tokushima Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-10 (徳島県眉山).-- 布村, 1993, p.89.

Agnara awaensis, 布村, 1999a, p.89.

***Agnara gotoensis* (Nunomura, 1991)** ゴトウハヤシワラジムシ

Nagurus gotoensis Nunomura, 1991a, p.2, fig. 168 (foot of Nanatsu-dake, Kishuku cho, Fukue-jima, Nagasaki

Pref.).

Agnara gotoensis, 布村, 1999a, p.88.

***Agnara izuharaensis* (Nunomura, 1991) イズハラハヤシワラジムシ**

Nagurus izuharaensis Nunomura, 1991a, p.6, fig. 170 (Izuhara, Izuhara cho, Shimoagata gun, Tsushima I., Nagasaki Pref.).

Agnara izuharaensis, 布村, 1999a, p.88.

***Agnara luridus* (Nunomura, 1987) シラユキハヤシワラジムシ**

Nagurus luridus Nunomura, 1987, p.32, fig. 114 (Ogi, Uchiura-cho, Suzu-gun, Ishikawa Pref.)-- 布村 [日土検], 1991, p.63, figs.189 & 200-11 (能登半島の常緑広葉樹林)-- 布村, 1993, p.89.

Agnara luridus, 布村, 1998, p.44 (石川県内浦町)-- 布村, 1999a, p.88.

***Agnara nishikawai* (Nunomura, 1987) ニシカワハヤシワラジムシ**

Nagurus nishikawai Nunomura, 1987, p.8, fig. 103 (Makuragiyama, Matsue City, Shimane Pref.; between Utsu and Nagaono-hana, Hagi City, Yamaguchi Pref.; Daisen-nishihodo, Daisen-machi, Seihaku-gun, Tottori Pref.)-- 布村 [日土検], 1991, p.62, figs.189 & 199-12 (鳥取県, 島根県, 山口県)-- 布村, 1993, p.89.

Agnara nishikawai, 布村, 1999a, p.88.

***Agnara pannuosus* (Nunomura, 1987) マダラサトワラジムシ**

Protracheoniscus pannuosus Nunomura, 1987, p.55, fig. 125 (Shibagaki, Hakui City, Ishikawa Pref.)-- 布村 [日土検], 1991, p.63, figs.191 & 201-8 (石川県能登地方の海岸近くの社寺林)-- 布村, 1993, p.89.

Agnara pannuosus, 布村, 1998, p.44 (石川県羽咋市)-- 布村, 1999a, p.89.

***Lucasioides boninshimensis* (Nunomura, 1987) オガサワラハヤシワラジムシ**

Nagurus boninshimensis Nunomura, 1987, p.34, fig. 115 (near the top of Mt. Sakaiga-dake; Sekimonsan-Uenodan, both Hahajima I., Bonin Is., Tokyo Pref.)-- 布村 [日土検], 1991, p.63, figs.189 & 200-12 (小笠原母島)-- 布村, 1993, p.89.

Lucasioides boninshimensis, 布村, 1999a, p.88.

***Lucasioides gigliotosi* (Arcangeli, 1927) サンインハヤシワラジムシ**

Porcellio (Lucasioides) Giglio-Tosi *Arcangeli, 1927.

Lucasius (?) gigliotosi, *Arcangeli, 1931.

Protracheoniscus (Lucasioides) Giglio-tosi, *Arcangeli, 1952.

Nagurus gigliotosi, Nunomura, 1987, p.15, fig. 106 (Yanai, Ooda City; Nima, Naji-cho; Kamo, Saigo-cho, Oki-gun, Oki I., Shimane Pref.)-- 布村 [日土検], 1991, p.62, figs.190 & 200-3 (兵庫県, 島根県, 隠岐)-- 布村, 1993, p.89.

Lucasioides gigliotosi, 布村, 1999a, p.87.

***Lucasioides hachijoensis* (Nunomura, 1987) ハチジョウハヤシワラジムシ**

Nagurus hachijoensis Nunomura, 1987, p.19, fig. 108 (Hachijo I., Tokyo Pref.)-- 布村 [日土検], 1991, p.62, figs.190 & 200-5 (伊豆諸島八丈島)-- 布村, 1993, p.89.

Lucasioides hachijoensis, 布村, 1999a, p.88.

***Lucasioides kobarii* (Nunomura, 1987) カントウハヤシワラジムシ**

Nagurus kobarii Nunomura, 1987, p.6, fig 102 (Sakatsura-izozaki-jinja, Iozaki-machi, Nakaminato City; Ogawa-machi, Higashiibaragi-gun, both Ibaragi Pref.; Bato-cho, Nasu-gun, Tochigi Pref.; Takenouchi, Iwaki City, Fukushima Pref.)-- 布村 [日土検], 1991, p.62, figs.188 & 199-11 (茨城県, 栃木県, 福島県)-- 布村, 1993, p.89.

Lucasioides kobarii, 布村, 1999a, p.88.

***Lucasioides minatoi* (Nunomura, 1987) キシュウハヤシワラジムシ**

Nagurus minatoi Nunomura, 1987, p.13, fig. 105 (cave called "Kobiki-shitano-ana", Shirasaki-Kobiki, Yura-cho, Hidaka-gun, Wakayama Pref.)-- 布村 [日土検], 1991, p.62, figs.190 & 200-2 (和歌山県由良町の洞窟)-- 布村, 1993, p.89.

Lucasioides minatoi, 布村, 1999a, p.88.

***Lucasioides nakadoriensis* (Nunomura, 1991) ナカドゥリハヤシワラジムシ**

Nagurus nakadoriensis Nunomura, 1991a, p.4, fig. 169 (foot of Ogiyama; Yoneyama, Narao cho, Nakadori-jima, Nagasaki Pref.).

Lucasioides nakadoriensis, 布村, 1999a, p.88.

***Lucasioides nishimurai* (Nunomura, 1987) サトヤマワラジムシ**

Nagurus nishimurai Nunomura, 1987, p.17, fig. 107 (the litter, Rinkai Seto; Oura; Shirahama-cho; Torinosu, Tanabe City; Senri, Minabe-cho, Hidaka-gun; Fujishirozaka, Kainan City; Tomogashima, Wakayama City; Kamuro, Hashimoto City, all Wakayama Pref.; Yoshinoyama, Yoshino-cho, Yoshino-gun, Nara Pref.; Oshima, Kashiwara City, Osaka Pref.; Endo, Higashiura-cho, Tsuna-gun, Hyogo Pref.; Murata, Tosu City, Saga Pref.; between Nagahama and Ashihara, Simokoshiki-son, Satsuma-gun, Kagoshima Pref.; Muroto City, Kochi Pref.; and many additional specimens from various localities of southern Japan).-- 布村 [日土検], 1991, p.62, figs. 190 & 200-4 (関東地方(神奈川県)~九州(鹿児島県)).-- 布村, 1993, p.89.

Lucasioides nishimurai, 布村, 1999a, p.87.

***Lucasioides sakimori* (Nunomura, 1987) サキモリハヤシワラジムシ**

Nagurus sakimori Nunomura, 1987, p.24, fig. 110 (Mahoshigahama & Kechi-ura, Mitsushima-cho, Shimoagata-gun, Tsushima I., Nagasaki Pref.).-- 布村 [日土検], 1991, p.62, figs.190 & 200-7 (対馬上島の林縁, 農耕地, 人里).-- 布村, 1993, p.89.

Lucasioides sakimori, 布村, 1999a, p.88.

***Lucasioides sinuosus* (Nunomura, 1987) ナミベリハヤシワラジムシ**

Nagurus sinuosus Nunomura, 1987, p.10, fig. 104 (Mitsutsuji-yama, Tosa-cho, Tosa-gun, Kochi Pref.).-- 布村 [日土検], 1991, p.62, figs.188 & 200-1 (高知県).-- 布村, 1993, p.89.

Lucasioides sinuosus, 布村, 1999a, p.87.

***Lucasioides* sp.**

布村, 1998, p.45 (石川県金沢市).

***Mongoloniscus circacaudatus* (Nunomura, 1987) マルオサトワラジムシ**

Protracheoniscus circacaudatus Nunomura, 1987, p.57, fig. 126 (Sakuraba, Tokuyama City, Yamaguchi Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-9 (山口県の都市公園).-- 布村, 1993, p.89.

Mongoloniscus circacaudatus, 布村, 1999a, p.88.

***Mongoloniscus hokurikuensis* (Nunomura, 1987) ホクリクサトワラジムシ**

Protracheoniscus hokurikuensis Nunomura, 1987, p.52, fig. 124 (Ogi, Uchiura-cho, Suzu-gun, Ishikawa Pref.; Horikawakoizumi, Toyama City; Miyano-yama, Kurobe City, both Toyama Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-7 (北陸地方(富山県~石川県)の里山, 丘陵, 人里の草むら).-- 布村, 1993, p.89.

Mongoloniscus hokurikuensis, 布村, 1998, p.44 (石川県羽咋市).-- 布村, 1999a, p.88.

***Mongoloniscus katakurai* (Nunomura, 1987) コガタハヤシワラジムシ**

Nagurus katakurai Nunomura, 1987, p.28, fig. 112 (Hiyoshi, Kohoku-ku, Yokohama City, Kanagawa Pref.; Korakuen, Bunkyo-ku, Tokyo Pref.).-- 布村 [日土検], 1991, p.63, figs.189 & 200-9 (神奈川県, 東京都の林や公園).-- 布村, 1993, p.89.

Mongoloniscus katakurai, 布村, 1999a, p.88.

***Mongoloniscus koreanus* (Verhoeff, 1930) ツシマワラジムシ**

Protracheoniscus (Mongoloniscus) koreanus Verhoeff, 1930, p.117, figs. 14-15.

Nagurus tsushinaensis ツシマワラジムシ, Nunomura, 1987, p.30, fig.113 (Hitakatsu & Inokuchihoma, Kamitsushima-cho, Kamiagata-gun; Takahama, Mitsushima-cho, both Tsushima I., Nagasaki Pref.);)-- 布村 [日土検], 1991, p.63, figs.189 & 200-10 (対馬下島の人家, 農耕地).

Nagurus pallidus シロツシマワラジムシ, Nunomura, 1991a, p.8, fig. 171 (Kechi, Mitsushima cho, Shimoagata gun, Tsushima I., Nagasaki Pref.).

Mongoloniscus koreanus, 布村, 1999a, p.88.

***Mongoloniscus maculatus* (Iwamoto, 1943) フイリワラジムシ**

Porcellio maculatus 岩本, 1943, p.25, no. 6, figs. 13-14 (熊の平).-- Nunomura, 1980, p.19, fig. 4 (Hioki bashi, across the Joganji River; Horikawakoizumu; Kinsenji, near Sinjo; Joshi Park, all Toyama Pref., from grassy spots).-- Saito, 1986, p.47 (western part of Gunma Pref.).

Nagurus maculatus, Nunomura, 1987, p.26, fig. 111 (Hattori-ryokuchi, Toyonaka City, Osaka Pref.).-- 布村 [日土検], 1991, p.63, figs.189 & 200-8 (関東地方(神奈川県, 東京), 近畿地方(大阪府)の二次林).-- 布村, 1993, p.89.

Mongoloniscus maculatus, 布村, 1998, p.44 (石川県内浦町).-- 布村, 1999a, p.88.

***Mongoloniscus masahittoi* (Nunomura, 1987) マサヒトサトワラジムシ**

Protracheoniscus masahittoi Nunomura, 1987, p.46, fig. 121 (Fukiage-gyoen, the garden of the Imperial Palace, Chiyoda-ku, Tokyo Pref.; Takatori-yama, Yokosuka City, Kanagawa Pref.).-- 布村 [日土検], 1991, p.63, figs. 191 & 201-4 (皇居を模式産地とする関東地方).-- 布村, 1993, p.89.

Mongoloniscus masahittoi, 布村, 1999a, p.88.

***Mongoloniscus nipponicus* (Arcangeli, 1952) ヤマトサトワラジムシ**

Porcellio (Nagara) sundaicus Dollfuss, *Arcangeli, 1952, p.44.

Protracheoniscus nipponicus *Arcangeli, 1952.-- Nunomura, 1987, p.44, fig. 120 (Botanical Garden of the Kyoto Univ., Kitashirakawa-oiwake-cho, Sakyo-ku, Kyoto City, Kyoto Pref.; Nagai Park, Higashisumiyoshi-ku, Osaka City; Harumi-dai, Sakai City, Osaka Pref.; Shiga-cho, Shiga Pref.; Kinsenji, Toyama City, Toyama Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-3 (本州中部(東京都, 富山県, 滋賀県, 京都府)の人里, 公園, 林縁).-- 布村, 1993, p.89.

Mongoloniscus nipponicus, 布村, 1999a, p.88.

***Mongoloniscus satsumaensis* (Nunomura, 1987) サツマサトワラジムシ**

Protracheoniscus satsumaensis Nunomura, 1987, p.50, fig. 123 (Shigetomi, Aira-cho, Aira-gun; Kohama, Ibusuki City, both Kagoshima Pref.; Matsunami-cho, Higashi-karatsu, Karatsu City, Saga Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-6 (九州(鹿児島県, 佐賀県)).-- 布村, 1993, p.89.

Mongoloniscus satsumaensis, 布村, 1999a, p.88.

***Mongoloniscus tangoensis* (Nunomura, 1987) タンゴサトワラジムシ**

Protracheoniscus tangoensis Nunomura, 1987, p.48, fig. 122 (Omiya-cho, Naka-gun, Kyoto Pref.).-- 布村 [日土検], 1991, p.63, figs.191 & 201-5 (京都府丹後地方).-- 布村, 1993, p.89.

Mongoloniscus tangoensis, 布村, 1999a, p.88.

***Mongoloniscus vannamei* (Arcangeli, 1927) ヤマトハヤシワラジムシ**

Porcellio (Nagurus) Van namei, *Arcangeli, 1927, p.243, fig. 8.

Nagurus (Nagurus) Van namei, *Arcangeli, 1952.

Nagurus Van Namei, *Arcangeli, 1962.

Nagurus vannamei, *Verhoeff, 1931.-- Nunomura, 1987, p.4, fig. 101 (near Kumamoto Airport, Kikuyo-machi, Kikuchi-gun, Kumamoto Pref.; Takaoka-machi, Higashimorogata-gun, Miyazaki Pref.; Hachiman-dake, Ouchi-cho, Higashimatsuura-gun, Saga Pref.; garden of the Imperial Place).-- 布村 [日土検], 1991, p.62, figs.189 & 199-10 (宮崎県, 佐賀県, 熊本県, 東京).-- 布村, 1993, p.89.

Mongoloniscus vannamei, 布村, 1999a, p.88.

***Nagurus kunigamiensis* Nunomura, 1992 ヤンバルハヤシワラジムシ**

Nunomura, 1992a, p.12, fig. 184 (the foot of the Terukubi-yama, Yona-son, Okinawa I., Okinawa Pref.).-- 布村, 1999a, p.87.

***Nagurus lineatus* Nunomura, 1987 タテスジハヤシワラジムシ**

Nunomura, 1987, p.39, fig. 117 (Kiyose, Chichijima I., Bonin Is., Tokyo Pref.).-- 布村 [日土検], 1991, p.63, figs.189 & 201-2 (小笠原父島).-- 布村, 1993, p.89.-- 布村, 1999a, p.87.

***Nagurus miyakoensis* Nunomura, 1987 シロヒゲハヤシワラジムシ**

Nunomura, 1987, p.36, fig. 116 (Painagama Beach; Shimosato Botanical Garden, Shimosato, both Hirara City, Miyako I., Okinawa Pref.)-- 布村 [日土検], 1991, p.63, figs.189 & 201-1 (沖縄県宮古島の公園, 海浜)-- 布村, 1993, p.89.-- 布村, 1999a, p.87.

***Nagurus okinawaensis* Nunomura, 1992 オキナワハヤシワラジムシ**

Nunomura, 1992a, p.14, fig. 185 (the farm of Ryukyu Univ., Senbaru, Nishiharu-cho, Okinawa I., Okinawa Pref.)-- 布村, 1999a, p.87.

***Nagurus tokunoshimaensis* Nunomura, 1987 アマミアナワラジムシ**

Nunomura, 1987, p.22, fig. 109 (a cave called "Kenbu-I", Tokuno-shima I., Oshima-gun, Kagoshima Pref.)-- 布村 [日土検], 1991, p.62, figs.190 & 200-6 (奄美群島徳之島の洞窟)-- 布村, 1993, p.89.-- 布村, 1999a, p.87.

***Nagurus* sp. Nunomura, 1987 ハヤシワラジムシ属の1種**

Nunomura, 1987, p.41, fig. 118 (Iriomote I., Okinawa Pref.).

Family Porcellionidae : ワラジムシ科

***Leptotrichus chobihige* Nunomura, 1992 ヤエヤマチヨビヒゲワラジムシ**

Nunomura, 1992a, p.17, fig. 186 (at Tonoshiro, Ishigaki I., Okinawa Pref.)-- 布村, 1999a, p.89.

***Leptotrichus fuscatus* (Iwamoto, 1943) ヘリジロワラジムシ**

Porcellio fuscatus 岩本, 1943, p.27, no. 8, figs. 17-18 (海岸近き圃場に多く, 他の地方には見られない. 基本標本は横浜海岸産).

Leptotrichus fuscatus, Nunomura, 1987, p.63, fig. 129 (Koshien, Nishinomiya City, Hyogo Pref.)-- 布村 [日土検], 1991, p.64, figs.192 & 201-11 (神奈川県および兵庫県の人里)-- 布村, 1993, p.89.-- 布村, 1999a, p.89.

***Leptotrichus kudakaensis* Nunomura, 1987 モンツキワラジムシ**

Nunomura, 1987, p.64, fig. 130 (Kudaka-jima, Chinen-son, Okinawa I., Okinawa Pref.)-- 布村 [日土検], 1991, p.64, figs.192 & 201-12 (沖縄本島知念村)-- 布村, 1993, p.89.-- 布村, 1999a, p.89.

***Porcellio dilatatus* Brandt, 1833 オビワラジムシ**

*Brandt, 1833, p.78, pl. 5, fig. 6.-- *Brandt & Ratenburg, 1833.-- *Budde-Lund, 1885.-- *Verhoeff, 1907.-- *Sars, 1898.-- *Van Name, 1940.-- 岩本, 1943, p.23, no. 4, figs. 9-10 (世界共通)-- *Vandel, 1946.-- *Vandel, 1962.-- *Gruner, 1966.-- Nunomura, 1987, p.70, fig. 133 (campus of Keio Univ., Hoyoshi, Kohoku-ku, Yokohama City, Kanagawa Pref.; Daimon-machi, Toyama Pref.; Ko, Tateyama City, Chiba Pref.)-- 布村 [日土検], 1991, p.64, figs.193 & 202-3 (ヨーロッパ原産で世界各地に分布し, わが国では横浜をはじめ, 関東地方から知られる)-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232 (関東地方の一部)-- 布村, 1999a, p.89.

***Porcellio laevis* Latreille, 1804 クマワラジムシ**

*Latreille, 1804, p.46.-- *Latreille, 1806, p.71.-- *Leach, 1813-14, p.406.-- *Leach, 1815, p.375.-- *Dollfus, 1825.-- *M. Edwards, 1840, p.169.-- *Eichwald, 1841.-- *Lereboullet, 1853, p.45, pl. 1, fig. 7, pl. 3, figs. 55-60.-- *Budde-Lund, 1870, p.236.-- *Budde-Lund, 1885, p.138.-- *Budde-Lund, 1893-94, p.118.-- *Sars, 1899, p.181, pl. 79, fig. 2.-- *Richardson, 1899, p.862.-- *Richardson, 1900, p.304.-- *Richardson, 1901, p.566.-- Richardson, 1905, p.614, fig. 666.-- *Chilton, 1905.-- *Verhoeff, 1907.-- Thielemann, 1910, p.76.-- *Arcangeli, 1924.-- *Van Name, 1936.-- *Vandel, 1954.-- *Vandel, 1966.-- Nunomura, 1987, p.68, fig. 132 (Koshien & Tsuto-ayaha-cho, Nishinomiya City; Higashitarumi, Kobe City, Hyogo Pref.; Naha City, Okinawa I., Okinawa Pref.; Hamadera, Sakai City, Osaka Pref.; Miura-kaigan, Miura City, Kanagawa Pref.; Nonoe-cho, Suzu-gun, Ishikawa Pref.; from various parts of southern Japan)-- 布村 [日土検], 1991, p.64, figs.193 & 202-2 (西日本, 特に大阪府, 阪神間, 山陽, 九州, 沖縄. 地中海原産)-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232 (近畿以西)-- 布村, 1998, p.45 (石川県珠洲市)-- 布村, 1999a, p.89.

***Porcellio scaber* Latreille, 1804 ワラジムシ**

Porcellio scaber *Latreille, 1804, p.45.-- *Latreille, 1806, p.70.-- *Leach, 1814, p.406.-- *Risso, 1816, p.155.-- *Desmarest, 1825, p.321.-- *Brandt & Ratzeburg, 1830-34, p.77, pl. 12, figs. 1-4 & A-B.-- *Brandt, 1833, p.14.--

*Koch, 1835-44, p.34.-- *M. Edwards, 1849, pl. 71-71 bis.-- *White, 1850.-- *Lereboullet, 1853, p.34, pl. 1, figs. 4, 5; pl. 2, figs. 43-47.-- *Bate & Westwood, 1868, p.475.-- *Plateau, 1870, no. 2, p.8.-- *E. Brandt, 1870, p. 167.-- *Budde-Lund, 1870, p.238.-- *Budde-Lund, 1885, p.129.-- *Hilgendorf, 1893.-- *Dollfus, 1896.-- *Sars, 1899, p.176, pl. 77.-- *Richardson, 1899, p.863.-- *Richardson, 1900, p.304.-- *Richardson, 1901, p.567.-- Richardson, 1905, p.621, fig. 671.-- *Chilton, 1901, pt. 4, p.139.-- *Stoller, 1902, p.213.-- *Paulmier, 1905, p. 183.-- Thielemann, 1910, p.76.-- *Arcangeli, 1925.-- *Johannsen, 1926.-- Gurjanova, 1936b, p.215, fig. 137.-- *Van Name, 1936.-- 岩本, 1943, p.22, no. 3, figs. 7-8 (世界各地に分布し, 日本内地に於いても各地方及び北アルプス地方にまで分布).-- 岩佐 [旧日動], 1957, p.808, fig. 2326 (広く世界の各地に分布し, 枯葉・床下等に多く, 温室・花園等にも稀ならず).-- 椎野 [新日動], 1965, p.554, no.768 (世界共通種. 枯葉・ゴミの間・床下に普通).-- *Vandel, 1966.-- Kussakin, 1974, p.269, fig. 35 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- Kussakin, 1979b, p.122 (Okhotsk Sea, 0m deep).-- Nunomura, 1980, p.16 (Imagawabashi at Hamakurosaki; bank the estuary of Joganji River; Joshi Park; Yokogashi, all Toyama City, Toyama Pref.).-- Nunomura, 1981a, p.60 (Minamisawa & Tassya, Aikawa-machi; Sado I., Niigata Pref.).-- Nunomura, 1985d, p. 136 (Hamakurosaki, Toyama Bay).-- 布村, 1987, p.5 (大槌湾赤浜, 吉里; 山田町船越, 織笠川河口; 釜石市鷓住居, 根浜, 両石; 宮古市浄土ヶ浜).-- Nunomura, 1987, p.67, fig. 131 (from the various parts of northeastern Japan).-- Nunomura, 1991b, p.44 (various areas of seashore of Hokkaido Pref.).-- 布村 [日土検], 1991, p.64, figs.193 & 202-1 (ヨーロッパ原産で, 世界各地に分布し, わが国では北海道, 本州中部 (福井県, 愛知県以北). 庭, 公園, ごみ, 草むらなど, 寒冷地では室内でみつかることが多い).-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232, fig. 21-2051 (世界共通種, 日本ではおもに北海道から北陸, 東北地方に分布. 海浜クロマツ林床に多産し, 打ち上げ海藻やゴミの下や, 砂浜の汀線付近にしばしばみられる).-- 布村 [日海ブ], 1997a, p.1119 (まれに筏や漁網などに付着).-- 布村, 1998, p. 45 (石川県七尾市, 輪島市, 富来町, 内灘町, 珠洲市).-- Saito, 1986, p.46 (western part of Gunma Pref.).-- 布村, 1999a, p.89.-- 宇田川, 1996, p.3 (北海道東部沿岸).-- 布村, 1999b, p.33 (富山湾氷見海岸大境).

Porcellio toyamaensis サビワラジムシ, Nunomura, 1980, p.16, figs. 2-3 (Hamakurosaki, Toyama City, Toyama Pref.).-- Nunomura, 1981a, p.90 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).-- Nunomura, 1985d, p.137 (Hamakurosaki, Toyama Bay).

***Porcellio solifugus* Iwamoto, 1943** セグロワラジムシ

岩本, 1943, p.24, no. 5, figs. 11-12 (熊の平, 熱海など).-- 布村, 1993, p.89.

***Porcellio submaritimus* Iwamoto, 1943** イソワラジムシ

岩本, 1943, p.26, no. 7, figs. 15-16 (海岸地帯に多く見られ, その他の地方には殆ど居ない. 基本標本は横浜本牧海岸産).-- 布村, 1993, p.89.

***Porcellionides pruinosus* (Brandt, 1833)** ホソワラジムシ (シワワラジムシ)

Porcellio pruinosus *Brandt, 1833, p.181.

Metoponorthus pruinosus, *Hilgendorf, 1893a.-- *Hilgendorf, 1893b.-- *Budde-Lund, 1879.-- *Budde-Lund, 1885, p.169.-- *Budde-Lund, 1893-94, p.118.-- *Budde-Lund, 1902.-- *Sars, 1899, p.184, pl. 80, fig. 2.-- *Stebbing, 1983.-- *Dollfus, 1893, p.187.-- *Dollfus, 1894.-- *Dollfus, 1896.-- *Richardson, 1900, p.303.-- *Richardson, 1901, p.569.-- *Richardson, 1905, p.627, fig. 674.-- *Richardson, 1910.-- *Chilton, 1901, p.141.-- *Stoller, 1902, p.213.-- *Kraepelin, 1902.-- *Paulmier, 1905, p.183.-- *Flower, 1912.-- *Prat, 1916.-- *Pearse, 1917.-- *Kunkel, 1918.-- *Longneck, 1924.-- *Walker, 1927.-- *Giambian, 1931.-- *Verhoeff, 1933.-- *Van Name, 1936.-- 岩本, 1943, p.22, no. 2, figs. 5-6 (世界各国).-- 岩佐, 1965, p.58 (沖縄県宮古島・石垣島・西表島).-- 岩佐 [旧日動], 1957, p.808, fig. 2327 (枯葉・石・腐木等の下に普通に見られ, 世界各地より知られる).-- 椎野 [原動大], 1961, p. 125, pl.62, no.2 (我国・欧州・北米・北阿などに見られる世界共通陸産種. 床下・石・枯葉・腐木の下などに群生).-- 椎野 [新日動], 1965, p.554, no.769 (世界共通種. 枯葉・石・腐木の下などに極めて普通).-- Nunomura, 1980, p.19 (Kurehayama Hill, Toyama City, Toyama Pref.).-- 布村, 1998, p.45 (石川県内浦町, 輪島市, 加賀市).

Metoponorthus schwenecki *Moreira, 1927.

Porcellio (Porcellionides) flavo-vittata *Miers, 1877, p.669, pl. 68, fig. 4.

Porcellionides pruinosus, *Sars, 1898.-- *Verhoeff, 1918.-- *Richardson, 1912.-- *Picard, 1913.-- *Collinge,

1915.-- *Van Name, 1924.-- *Van Name, 1936.-- *Black, 1931.-- Nunomura, 1981a, p.59 (Tassya, Aikawa-machi, Sado-I., Niigata Pref.).-- Nunomura, 1987, p.73, fig. 135 (Tenjin, Himeji City, Hyogo Pref.; Nagai Park, Higashisumiyoshi-ku, Osaka City, Osaka Pref.; from various parts of southern Japan for Sado I., Niigata Pref., to Yaeyama Is., Okinawa Pref.).-- 武田 [原甲検], 1982, p.236, no.706 (世界中に広く分布. 枯葉・石・朽ち木の下や人家の床下に普通).-- 布村 [日土検], 1991, p.64, figs.193 & 202-4 (わが国では本州中部(新潟県, 千葉県)以南, 四国, 九州, 琉球列島, 小笠原諸島に分布するが, 世界中の温暖帯から知られる. 人里の草むら, 落葉, 堆肥中).-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232 (近畿以西).-- 布村, 1999a, p.89.

Family Armadillidiidae : オカダンゴムシ科

***Armadillidium nasatum* Budde-Lund, 1885** ハナダカダンゴムシ (ハナダカテマリムシ)

Armadillidium nasatum *Budde-Lund, 1885, p.51.-- 岩本, 1943, p.28, no. 9, figs. 19-20 (欧州各地に分布し, 本州に於いては山地には分布せず, 横浜の如き開港地に多く見受けられる).-- Nunomura, 1990, p.5, figs. 138-139 (Sankeien Park, Honmoku, Naka-ku, Yokohama City, Kanagawa Pref.).-- 布村 [日土検], 1991, p.64, figs.193 & 202-6.(世界共通種, わが国では横浜市の一部から知られる).-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232 (横浜周辺, 移入種の可能性が高い).-- 布村, 1999a, p.90.

Armadillidium quadrifrons, *Stoller, 1902, 211.-- Richardson, 1905, p.668, fig. 707.

***Armadillidium vulgare* (Latreille, 1804)** オカダンゴムシ (ダンゴムシ, テマリムシ)

Armadillo vulgaris, *Latreille, 1804, p.48.-- *Latreille, 1806, p.71.

Armadillo pustulatus, *Dumerille, 1816.

Armadillo pilularis, *Say, 1818, p.432.-- Gould, 1841, p.336.-- De Kay, 1844, pt. 6, p.52.

Armadillidum commutatum, *Brandt & Batzeburg, 1830-34, p.81, pl. 13, figs. 1, 2, 3, A, B.

Armadillo triviatius, *C. L. Koch, 1835-44, p.28.

Armadillidum pilulare, *Stuxberg, 1875.

Armadillo ater, *Schnitzir, 1853, p.26.-- *Chnizer, 1901.

Armadillium olveti, *L. Koch, 1901.

Uropodias bermidensis, *Richardson, 1902.

Armadillium cinerorum, Arcangeli, 1932.

Armadillidum affinis, *Brandt, 1933.

Armadillidium vulgare, Budde-Lund, 1885, p.66.-- *Sars, 1899, p.189, pl. 82.-- *Richardson, 1900, p.305.--

*Richardson, 1901, p.574.-- Richardson, 1905, p.666, fig. 706.-- *Chilton, pt. 4, p.142.-- *Stoller, 1902, p.210.--

*Paulmier, 1905, p.184.-- 岩本, 1943, p.28, no. 10, figs. 21-22 (世界各地に分布し, 個体に依り幾分の差異あるも, 大同小異であって, 山地及び北部地方の個体と熱帯地のものと異種の如き感がある).-- *Vandl, 1962.-- 岩佐 [旧日動], 1957, p.809, fig. 2329 (朽木・枯葉・石等の下に多く, 広く世界に分布す).-- 椎野 [原動大], 1961, p.125, pl.62, no.1 (我国, 欧州, 米州に広く分布. 腐木・枯葉・堆肥・石の下に見られる).-- 椎野 [新日動], 1965, p.555, no.772 (朽木, 枯葉, 石の下等に普通. もと欧亚大陸に始まり現在は全世界に分布).-- Nunomura, 1980, p.21 (Horikawakoizumi; Hagiwarabashi; park of Joyama Hill; Kinsenji near Sinjo; Imagawabashi near Hamakurosaki; Hikatae; Joshi Park, all Toyama City, Toyama Pref.).-- Nunomura, 1981a, p.60 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).-- 布村, 1987, p.5 (岩手県山田町織笠川河口).-- Nunomura, 1990, p.3, fig. 137 (from various parts of Japan, Hokkaido through Kyushu).-- 布村 [日土検], 1991, p.64, figs.193 & 202 (世界共通種でわが国でも全国の都市部に生息し. 中部日本に特に多い).-- 布村, 1993, p.89.-- 布村 [検日海], 1995, p.232, fig. 21-205J (世界共通種とされ, 日本では各地に普通. 海岸クロマツ林の林床にも分布し, 打ち上げの海藻やゴミ下にもしばしばみられる).-- 布村, 1998, p.45 (石川県内浦町, 穴水町, 珠洲市, 輪島町, 富来町, 志賀町, 金沢市, 加賀市).-- Nunomura, 1999b, p.37 (Borawazawa & Kaminato, Hachijo I., Izu Is.).-- 布村, 1999a, p.90.-- 布村, 1999b, p.33 (富山湾氷見海岸).-- 武田 [原甲検], 1982, p.236, no.705 (ユーラシア大陸が原産で, 現在は世界中に分布. 枯葉下等に普通).-- Saito, 1986, p.47 (western part of Gunma Pref.).

Family Armadillidae : コシビロダンゴムシ科
Subfamily Acanthodillinae : トゲコシビロダンゴムシ亜科

***Hybodillo ishiii* Nunomura, 1990** イシイコブコシビロダンゴムシ

Nunomura, 1990, p.9, fig. 141 (Shuri, Naha City, Okinawa I., Okinawa Pref.)-- 布村, 1999a, p.89.

Subfamily Armadillinae : コシビロダンゴムシ亜科

***Cubaris iriomotensis* (Nunomura, 1990)** イリオモテコシビロダンゴムシ

Sphaerillo iriomotensis Nunomura, 1990, p.24, fig. 148 (Ohara, Iriomote I., Taketomi-cho, Yaeyama-gun, Okinawa Pref.).

Cubaris iriomotensis, 布村, 1999a, p.90.

***Nesodillo schellenbergi* Verhoeff, 1942**

布村, 1993, p.89.

***Riudillo takakuwai* Verhoeff, 1937**

Verhoeff 1937, 布村, 1993, p.89.

***Sphaerillo insularum* (Verhoeff, 1942)**

布村, 1993, p.89.

***Sphaerillo nipponicus* Arcangeli, 1934**

Arcangeli 1934, 布村, 1993, p.89.

***Sphaerillo nobilis* (Budde-Lund, 1904)**

*Budde-Lund, 1904, 布村, 1993, p.89.

***Venezillo agataensis* (Nunomura, 1991)** アガタコシビロダンゴムシ

Sphaerillo agataensis Nunomura, 1991a, p.22, fig. 177 (Sasuna, Kamiagata gun, Tsushima I., Nagasaki Pref.).

Venezillo agataensis, 布村, 1999a, p.90.

***Venezillo albus* (Nunomura, 1990)** シロコシビロダンゴムシ

Sphaerillo albus Nunomura, 1990, p.21, fig. 147 (Washino-mine, alt., ca. 300m, Fuse-mura, Oki-gun, Oki, Dogo I., Shimane Pref.).

Venezillo albus, 布村, 1999a, p.89.

***Venezillo boninensis* (Nunomura, 1990)** ムニンコシビロダンゴムシ

Sphaerillo boninensis Nunomura, 1990, p.19, fig. 146 (forest of *Casuaria equisetifolia*, Suzaki, Chichi-jima I., Bonin Is., Tokyo Pref.).

Venezillo boninensis, 布村, 1999a, p.89.

***Venezillo daitoensis* (Nunomura, 1990)** ダイトウコシビロダンゴムシ

Sphaerillo daitoensis Nunomura, 1990, p.17, fig. 145 (forest of *Livistona subglobosa*, Hinomaru-yama, Minami-daito-jima Is, Okinawa Pref.).

Venezillo daitoensis, 布村, 1999a, p.90.

***Venezillo donanensis* (Nunomura, 1992)** ドナンコシビロダンゴムシ

Sphaerillo donanensis Nunomura, 1992a, p.19, fig. 187 (forest of Sonai, Yonaguni I., Okinawa Pref.).

Venezillo donanensis, 布村, 1999a, p.90.

***Venezillo dorsalis* (Iwamoto, 1943)** セグロコシビロダンゴムシ (セグロコシビロテマリムシ)

Armadillo dorsalis 岩本, 1943, p.30, no. 11, figs. 23-24 (横浜)-- Saito, 1986, p.47 (western part of Gunma Pref.).

Sphaerillo dorsalis, Nunomura, 1990, p.13, fig. 143 (Obama City, Fukui Pref.)-- 布村 [日土検], 1991, p.64, figs.194 & 202-7 (福井県や神奈川県)-- 布村, 1993, p.89.

Venezillo dorsalis: 布村, 1998, p.45 (石川県金沢市, 羽咋市).-- 布村, 1999a, p.89.

***Venezillo elegans* (Nunomura, 1990)** ヘリジロコシビロダンゴムシ

Sphaerillo elegans Nunomura, 1990, p.15, fig. 144 (between Tonozaki & Shitazaki, Kamitsushima-cho, Kamiagata-gun, Tsushima I., Nagasaki Pref.).

Venezillo elegans, 布村, 1999a, p.90.

***Venezillo hasegawai* (Nunomura, 1991)** コウズコシビロダンゴムシ

Sphaerillo hasegawai Nunomura, 1991a, p.24, fig. 178 (Kozushima I.).

Venezillo hasegawai, 布村, 1999a, p.90.

***Venezillo hiurai* (Nunomura, 1991)** ヒウラコシビロダンゴムシ

Sphaerillo hiurai Nunomura, 1991a, p.12, fig. 172 (Temple Bannshoin, Izuhara cho, Shimoagata gun, Tsushima I., Nagasaki Pref.).

Venezillo hiurai, 布村, 1999a, p.89.

***Venezillo kunigamiensis* (Nunomura, 1991)** ヤンバルコシビロダンゴムシ

Sphaerillo kunigamiensis Nunomura, 1991a, p.14, fig. 173 (Terukubi-yama, Kunigami son, Okinawa I., Okinawa Pref.).

Venezillo kunigamiensis, 布村, 1999a, p.89.

***Venezillo lineatus* (Nunomura, 1990)** オビコシビロダンゴムシ

Sphaerillo lineatus Nunomura, 1990, p.34, fig. 153 (Kushiga-hama, Shimonoseki City, Yamaguchi Pref.).

Venezillo lineatus, 布村, 1999a, p.90.

***Venezillo obscurus* (Budde-Lund, 1885)** トウキョウコシビロダンゴムシ

Armadillo obscurus *Budde-Lund, 1885, p.285.-- Thielemann, 1910, p.77 (Jokohama).

Sphaerillo obscurus, Nunomura, 1990, p.11, fig. 142 (Ueno Park, Taito-ku, Tokyo Pref.?.; "Moji" Japan).-- 布村 [日土検], 1991, p.64, figs.194 (東京, 横浜).-- 布村, 1993, p.89.

Venezillo obscurus, 布村, 1999a, p.89.

***Venezillo oharaensis* (Nunomura, 1992)** オオハラコシビロダンゴムシ

Sphaerillo oharaensis Nunomura, 1992a, p.21, fig. 188 (forest of Ohara, Iriomote I., Taketomi-cho, Yaeyama Is., Okinawa Pref.).

Venezillo oharaensis, 布村, 1999a, p.90.

***Venezillo russoi* (Arcangeli, 1927)** タテジマコシビロダンゴムシ

Armadillo russoi Arcangeli, 1927, p.218, fig. 3.

Sphaerillo russoi, *Arcangeli, 1934.-- Nunomura, 1990, p.26, fig. 149 (Hamasaki, Nishi-ku, Fukuoka City, Fukuoka Pref.; Katsumoto, Katsumoto-cho, Iki I.; Oigiyama, Narao-cho, Goto Is.; Fukue City, Fukue I.; Aoshima, Miyazaki City; Ibi, Nichinan City, Miyazaki Pref.).-- 布村 [日土検], 1991, p.64, figs.194 & 202-8 (中国, 四国, 九州およびそれらの離島など西南日本の森林に普通).-- 布村, 1993, p.89.

Venezillo russoi, 布村, 1999a, p.89.

***Venezillo shuriensis* (Nunomura, 1990)** シュリコシビロダンゴムシ

Sphaerillo shuriensis Nunomura, 1990, p.28, fig. 150 (Shuri, Tounokura-cho, Naha City, Okinawa I., Okinawa Pref.).

Venezillo shuriensis, 布村, 1999a, p.90.

***Venezillo soleiformis* (Nunomura, 1991)** クツゾココシビロダンゴムシ

Sphaerillo soleiformis Nunomura, 1991a, p.20, fig. 176 (on the foot of Mt. Yoneyama, Narao cho, Nakadori-jima, Nagasaki Pref.).

Venezillo soleiformis, 布村, 1999a, p.90.

***Venezillo tomiyamai* (Nunomura, 1991)** トミヤマコシビロダンゴムシ

Sphaerillo tomiyamai Nunomura, 1991a, p.18, fig. 175 (Narao cho, Nakadori-jima, Nagasaki Pref.).

Venezillo tomiyamai, 布村, 1999a, p.90.

Venezillo yaeyamanus (Nunomura, 1990) ヤエヤマコシビロダンゴムシ

Sphaerillo yaeyamanus Nunomura, 1990, p.32, fig. 152 (Kabira, Ishigaki I., Okinawa Pref.).

Venezillo yaeyamanus, 布村, 1999a, p.90.

Venezillo yonaguniensis (Nunomura, 1990) ヨナグニコシビロダンゴムシ

Sphaerillo yonaguniensis Nunomura, 1990, p.30, fig. 151 (forest of *Casuarina equisetifolia*, Higawa, Yonagushi I., Okinawa Pref.).

Venezillo yonaguniensis, 布村, 1999a, p.90.

Venezillo zonalis (Nunomura, 1991) ヨコスジコシビロダンゴムシ

Sphaerillo zonalis Nunomura, 1991a, p.16, fig. 174 (from the alimentary canal of the salamander, *Hynobius nebulosus nebulosus*, collected from Danjo I.).

Venezillo zonalis, 布村, 1999a, p.90.

Venezillo sp. Nunomura, 1998

Venedillo sp. Nunomura, 1998d, p.65, figs. A-Q (subtidal zone and bushes near the shore, Ryoishi, Kamaishi City, Iwate Pref.).

Venezillo sp.

Sphaerillo sp. 布村, 1987, p.5 (岩手県釜石市両石).

Venezillo sp.

Sphaerillo sp. Nunomura, 1990, p.36, fig. 154 (Uotsuri I., Senkaku group, Okinawa Pref.).

Suborder Tyloidea : ハマダンゴムシ亜目

Family Tylidae : ハマダンゴムシ科

Tylos granuriferus Budde-Lund, 1885 ハマダンゴムシ

Tylos granulatus (nec Krauss, 1843), *Miers, 1877, p.674, pl. 69, fig. 2.-- Thielemann, 1910, p.76 (Kiogo).-- *Ondo, 1953, p.20.-- 内海 [原海動], 1956, p.54, pl. 27, no. 6 (本邦各地. 砂浜にすむ).-- 岩佐 [旧日動], 1957, p. 809, fig. 2330 (本邦各地の海浜の砂地に見出される).-- 椎野 [新日動], 1965, p.555, no. 773 (わが国各地の小石の間にすむ).-- 内海・西村・鈴木 [標原海], 1971, p.76, pl.25, no.6 (日本各地. 砂浜頂潮上帯の石の下).-- Kussakin, 1974, p.258, fig. 22 (intertidal zone of Kurile Is.).-- Kussakin, 1975, p.67 (intertidal zone of Kuril Is.).-- *Kussakin, 1976, p.75, fig. 175.-- Kussalin, 1982, p.452, figs. 335-336.-- 西村 [学水動], 1981, pp.97 & 289 (日本各地. 海浜の砂利・小石の下にひそむ).-- Nunomura, 1975, p.34 (Higashi-tarumi, Tarumi, Kobe City, Hyogo Pref.; Yoshimi, Tajiri-cho, Osaka Pref.).-- 布村, 1998, p.45 (石川県能登町).

Tylos granuriferus *Budde-Lund, 1885, p.279.-- *Budde-Lund, 1906, p.78.-- Kussakin, 1979b, p.121 (Okhotsk Sea, 0m deep).-- Kussakin, 1982, p.452, figs. 335-336.-- 武田 [原甲検], 1982, p.236, no.704 (本州から九州. 海辺の小石の間).-- 武田 [山溪海], 1994, p.278, no. 4 (長者ヶ崎).-- Nunomura, 1985, p.135 (Hamakurosaki; Shimao & Hane, Toyama Bay).-- 布村, 1987, p.4 (大槌湾根浜).-- Nunomura, 1990, p.39, fig. 156 (Senri, Minabe-cho, Hidaka-gun, Wakayama Pref.; Tassya, Aikawa-cho, Sado-gun, Sado I., Niigata Pref.; Toyo, Kami-tsushima-cho, Kami-Agata-gun, Tsushima I., Nagasaki Pref.; from various parts of Japan).-- Nunomura, 1991b, p.43 (Otoobetsu cho, Hokkaido Pref.).-- 布村 [日土検], 1991, p.64, figs.170 & 202-9 (日本各地の海浜).-- 布村 [検日海], 1995, p.232, pl. 82-10 (日本各地. 砂浜や細礫浜の石下やラック堆の下).-- 布村, 1993, p.89.-- 布村 [日海ブ], 1997a, p. 1119.-- Nunomura, 1999b, p.37 (Shikine I., Izu Is.).-- 布村, 1999b, p.33 (富山湾氷見海岸島尾).-- 布村, 1999a, p. 90.-- 稲葉, 1988, p.134 (瀬戸内海全域).-- 宇田川, 1996, p.3, fig. 4 (北海道東部沿岸).

?*Tylos* sp. Nunomura, 1980, p.14 (near the Toyama Yourh Hostel at Hamakurosaki, Toyama City, Toyama Pref.).

Tylos sp. Nunomura, 1981a, p.58 (Tassya, Aikawa-machi, Sado I., Niigata Pref.).

?*Tylos* sp. Nunomura, 1985c, p.112 (mouth of Kamobegawa River, Kagawa Pref., from intertidal zone).

参考文献

- Adkison, D. L. 1988. *Pseudione parviramus* and *Aporobopyrus collardi*, two new species of Bopyridae (Isopoda: Epicaridea) from the Gulf of Mexico. Proc. Biol. Soc. Wash., 101(3): 576-584
- Arcangeli, A. 1927. Isopodi terrestri raccolti nell' Estremo Oriente dal Filippo Silvestri. Boll. Lab. Zool., Gen. Agr. R.Scoul. Agricolt. protici, 20: 211-269.
- *Birstein, J. A. 1960. The family Ischnomesidae (Crustacea, Isopoda, Asellota) in the north-western part of the Pacific and the problem of amphiboreal and bipolar distribution of the deep sea fauna. Zoologicheskii Zhurnal 39 (1): 3-28.
- *Birstein, J. A. 1961. *Microthambema tenuis* n. gen., n. sp. (Isopoda, Asellota) and relations of some asellote isopods. Crustaceana 2: 132-141.
- *Birstein, J. A. 1962. Ueber eine neue Art der Gattung *Austroniscus* (Vanhoeffen) (Crustacea, Isopoda, Asellota) aus grossen Tiefen der Nord-Westlichen Teiles des Stillen Ozeans. Izdaniya Publ Zavoda zo ribarstva NRM 3 (2): 33-38.
- *Birstein, J. A. 1963. Deep-sea isopod crustaceans of the northwestern Pacific Ocean. Institute of Oceanology of the U.S.S.R., Akademii Nauk: Moscow [in Russian with English summary] 213 pp.
- *Birstein, J. A. 1970. Additions to the fauna of isopods (Crustacea, Isopoda) of the Kurile-Kamchatka Trench. Part I. Academy of Sciences of the USSR, P.P. Shirshov Institute of Oceanology, Moscow 86 (Fauna of the Kurile-Kamchatka Trench and its Environment) 292-340.
- Birstein, J. A. 1971. Additions to the fauna of isopods (Crustacea: Isopoda) of the Kurile-Kamchatka Trench. Part 2. Asellota-2. Tr. Inst. Ocean. Akad. Sci. USSR, 92: 162-238. [in Russian]
- *Bourdon, R. 1968. Les Bopyridae des mers Europeenne. Memoires du Museum National d'Histoire Naturelle de Paris, Nouvel Serie (A) 50 (2): 77-424.
- Bourdon, R. 1979. Epicarides de Madagascar. II. Bulletin du Museum National d'Histoire Naturelle, Paris serie 4, no. 1, section A, no. 2: 471-506.
- Bourdon, R. 1981. Sur cinq Bopyrides parasites de Thalassinides ouest-africaines. Bulletin de l'Institut Francais d'Afrique Noire 43 (serie A, 1-2): 111-134.
- Bourdon, R., & Stock, J. H. 1979. On some Indo-WestroPacific Bopyridae (Isopoda, Epicaridea) in the collections of the Zoologisch Museum, Amsterdam. Beaufortia 28 (No. 351): 205-218.
- Bruce, N. L. 1980. The systematics of some Japanese marine isopods (Fam. Sphaeromatidae) of the genera *Dynoides* Barnard, 1914 and *Cymodocella* Pfeffer, 1887, with descriptions of two new species. Crustaceana, 38(2): 199-211.
- Bruce, N. L. 1986. Revision of the isopod crustacean genus *Mothocya* Costa, in Hope, 1851 (Cymothoidae: Flabellifera), parasitic on marine fishes. Jour. Nat. Hist., 20: 1089-1192.
- Bruce, N. L. 1996. *Aega komai*, a new species of marine isopod crustacean (Aegidae: Flabellifera) from Japan. Crust. Res., 25: 129-136.
- Bruce, N. L. & Jones, D. A. 1981. The systematics and ecology of some cirrolanid isopods from southern Japan. J. Natl. Hist., 15: 67-85.
- 福田照雄. 1990. 足虫型動物. in (財)海中公園センター監修, 沖縄海中生物図鑑, 第11巻: ヒトデ・ナマコ・ゴカイ・イソギンチャクその他. pp.12-15. サザンプレス, 沖縄県.
- 蒲生重男. 1989. 日本海溝の底棲小型甲殻類ウミミズムシ類. 海洋と生物, 64: 360-367.
- Gamô, S. 1976. *Heterosignum mutsuensis* gen. nov., sp. nov., a new isopod Crustacea from Mutsu Bay, Northern Japan (Paraselloidea, Munnidae). Proc. Jap. Soc. syst. Zool., 12: 39-45.
- Gamô, S. 1982. Two new deep-sea species of *Janirella* Bonnier, 1896 (Crustacea: Isopoda: Asellota) from Sagami Bay. Sci. Repts. Yokohama Natl. Univ., sec. II, 29: 1-8.
- Gamô, S. 1983. Some species of abyssal asellote isopods (Crustacea) from east of the Japan Trench, with the descriptions of *Janirella* (*Janirella*) *aculeata* sp. nov., *J.* (*Parajanirella*) *sedecimtuberculata* sp. nov., and *Aryballurops japonica* gen. et sp. nov. Sci. Repts. Yokohama Natl. Univ., sec. II, 30: 1-18.
- Gamô, S. 1989. Some bathyal cumaceans and isopod crustaceans from the Okinawa Trough, the East China Sea, with descriptions of a new genus and five new species. Bull. Biogeogr. Soc. Japan, 44: 85-104
- *Gurjanova, E. F. 1933a. Contributions to the Isopoda fauna of the Pacific Ocean. I. New species Valvifera

- and Flabellifera. Explorations des mers russe. Gosudarstvennyi Hidrologicheskii Institut, Issledovaniia Morei SSSR 17: 87-106.
- *Gurjanova, E. F. 1933b. Contribution to the Isopod-Fauna of the Pacific Ocean. II. New species of Gnathiidea and Asellota. Explorations des mers russe (Gosudarstvennyi Hidrologicheskii Institut) 18: 75-90.
- *Gurjanova, E. F. 1933c. Contributions to the Isopoda-Fauna of the Pacific. Issledovaniia Morei SSSR (Exploration of the Seas of the USSR) Leningrad. Gnathiidea and Asellota 19: 79-91.
- *Gurjanova, E. F. 1935. Contribution to the fauna of Isopoda of the Pacific Ocean. III. New species in collections of the Hydrological Institute collected in 1932. Explorations des Mers Russe (Gosudarstvennyi Hidrologicheskii Institut) 22: 25-35.
- Gurjanova, E. F. 1936a. Beitrage zur Kenntnis der Isopoden fauna des Pazifischen Ozeans. IV. Zoologischer Anzeiger, 114 (9/10): 250-265.
- Gurjanova, E. F. 1936b. Crustaceans. Isopoda des mers Orientals. Faune de L'URSS., 7(3): 1-278. (in Russian)
- 畑井喜司雄・安元 進. 1980. 養殖ブリ稚魚の鰓腔内に見出された寄生性等脚類, サヨリヤドリムシについて. 長崎水試研報, 6: 87-96, 2 pls.
- 畑井喜司雄・安元 進. 1981. 養殖ブリ稚魚のイローナ症に関する2・3の知見. 長崎水試研報, 7: 77-81.
- 畑井喜司雄・安元 進. 1982a. メジナ幼魚の成長に及ぼすサヨリヤドリムシの影響. 長崎水試研報, 8: 75-79.
- 畑井喜司雄・安元 進. 1982b. メチルイソキサチオンによる寄生性等脚類サヨリヤドリムシの駆除. 水産増殖, 30(3): 147-150.
- 服部 仁・関 政夫. 1956. サヨリ *Hemiramphus sajori* (T. & S.)に寄生する *Irona melanosticta* とその影響. 動物学雑誌, 65(11): 422-425.
- *Hilgendorf, F. 1885. Eine neue Isopoden-Gattung. Sitzungsber. Naturforsch. Freunde Berlin, Jahrg. 1885, pp.185-187.
- 平岩馨邦, 1934. タイノエとサヨリヤドリムシ, 植物及び動物, 2(2): 380-384.
- Hiraiwa, Y. K. 1933. Studies on a bopyrid, *Epipenaeon japonica* Thielemann. 1. Morphological studies in both sexes. J. Sci. Hiroshima Univ., ser. B, div. 1, 2(4): 49-70, 1 pl.
- Hiraiwa, Y. K. 1934. Studies on a bopyrid, *Epipenaeon japonica* Thielemann. 2. Reproductive and excretory organs. J. Sci. Hiroshima Univ., ser. B, div. 1, 3(5): 45-63.
- Hiraiwa, Y. K. 1936. Studies on a bopyrid, *Epipenaeon japonica* Thielemann. 3. Development and life-cycle, with special reference to the sex differentiation in the bopyrid. J. Sci. Hiroshima Univ., ser. B, div. 1, 4(8): 101-141, 7, pls.
- Hiraiwa, Y. & Sato, M. 1939. On the effect of parasitic Isopoda on a prawn, *Penaeopsis akayebi* Rathbun, with a consideration of the effect of parasitization on higher Crustacea in general. J. Sci. Hiroshima Univ., ser. B, div. 1, 7(6): 105-124.
- Hoestlandt, H. 1975. Occurrences of the Isopoda Flabellifera *Gnorimosphaeroma rayi* Hoestlandt on the coast of Japan, Eastern Siberia and Hawaii, with a brief note on its genetic polychromatism. Publ. Seto Mar. Biol. Lab., 22(1/4): 31-46.
- Honma, Y. & Chiba, A. 1991. Pathological changes in the branchial chamber wall of stingrays, *Dasyatis* spp., associated with the presence of juvenile gnathiids (Isopoda, Crustacea). Gyoby Kenkyu, 26(1): 9-16.
- Honma, Y., Tsunaki, S., Chiba, A. & Ho, J.-S. 1991. Histological studies on the juvenile gnathiid (Isopoda, Crustacea) parasitic on the branchial chamber wall of the stingray, *Dasyatis akajei*, in the Sea of Japan. Rept. Sado Mar. Biol. Stat., Niigata Univ., 21: 37-47.
- 五十嵐敬司. 1967. 庄内地方におけるミズムシ *Asellus nipponensis* Nichols (Isopoda)の生態学的研究 (I) 生活史と生殖. 山形農林学会報, 24: 23-27.
- 五十嵐敬司. 1968. 庄内地方におけるミズムシ *Asellus hilgendorfi* Bovallius (Isopoda)の生態学的研究 (II) 生活史について(2). 山形農林学会報, 25: 9-15.
- 五十嵐敬司. 1969. 庄内地方におけるミズムシ *Asellus hilgendorfi* Bovallius (Isopoda)の生態学的研究 (III) 個体群の季節変動とそれに影響する要因. 山形農林学会報, 26: 52-57.
- 五十嵐敬司. 1969. 庄内地方におけるミズムシ *Asellus hilgendorfi* Bovallius (Isopoda)の生態学的研究 IV. 湧泉中の個体群の生活史. 山形農林学会報, 27: 40-43.
- Inouye, M. 1941. On sexuality in Cymothoidae, Isopoda II *Irona melanosticta* Schoedte & Meinet parasitic in the branchial cavity of the halfbeak, *Hyporhamphus sajori* (Temminck & Schlegel). J. Sci. Hiroshima Univ., ser. B, div. 1, 9(20): 219-238, 1 pl.

- 稲葉明彦. 1988. 瀬戸内海の生物相増補改訂Ⅱ. 向島臨海実験所創立50周年記念出版. 広島大学理学部付属向島臨海実験所, 広島. 475pp.
- 石井重美. 1916. クルマエビの「エビカリダ」. 動物学雑誌, 27: 642-643.
- 石井重美. 1917. 琵琶湖産の *Ichthyoxenus* に就いて. 動物学雑誌, 28: 1-18, pl. 1.
- Ishii, S. 1914. On a new epicaridian isopod (*Athelges takanoshimensis* sp. nov.) from *Eupagurus samuelis* Stimp. Annot. Zool. Japon., 8: 519-530, pl. 7.
- Ishii, S. 1916. On a new *Ichthyoxenus* (*I. opisthopterygium* sp. nov.) from Lake Biwa. Annot. Zool. Japon., 9: 125-131.
- Ishimaru, S. 1994. A Catalogue of gammaridean and ingolfirellidean Amphipoda recorded from the Vicinity of Japan. Rept. Sado Mar. Biol. Stat., Niigata Univ., 24: 29-86.
- 伊藤立則. 1985. 砂のすきまの生き物たち: 間隙生物学入門. 海鳴社, 東京. 241pp.
- Ito, T. 1974. A new species of marine interstitial isopod of the genus *Microcerberus* from Hokkaido. J. Fac. Sci. Hokkaido Univ., ser. 6(zool.), 19(2): 338-358.
- Ito, T. 1975. A new species of marine interstitial isopod of the genus *Microcerberus* from the Bonin Island. Annot. Zool. Japon., 48: 119-128.
- 伊藤 円・渡邊精一. 1992. イソスジエビとイソスジエビモドキにおける *Bopyrus squillarum* の寄生による影響について. 日本ベントス学会誌, 43: 29-39.
- 岩本嘉兵衛. 1943. 日本産陸棲等脚類について. 植物及動物, 11(12): 17-32.
- 岩佐正夫. 1957. 等脚目(一部). in 内田清之助編集, 日本動物図鑑. pp.503-819. 北隆館, 東京.
- 岩佐正夫. 1965. 朝鮮・台湾および琉球列島産端脚類・等脚類について. 甲殻類の研究, 2: 56-59.
- Iwasa, M. 1934. Description of a new isopod crustacean (Sphaeromidae) from Hokkaido. Proc. Imp. Acad., 10 (6): 370-373.
- *Iwasa, M. 1965. Isopoda crustaceans collected by the surveying ship Soyomaru on the continental shelf bordering Japan during the years 1926-1930. Bull. Seiki Univ., 3: 13-19.
- Jang, I. K. & Kwon, D. H. 1990. *Ianiropsis* (Isopoda, Asellota, Ianiridae) from Korea, with description of a new species. Korean J. Syst. Zool., 6(2): 193-208.
- Jang, I. K. & Kwon, D. H. 1993. A new species of the genus *Gnorimosphaeroma* (Crustacea, Isopoda, Sphaeromatidae) from a brackishwater lake in Korea. Korean J. Zool., 36: 402-407.
- 柄沢宏明. 1997. 西日本の新生代大型甲殻類. 瑞浪市化石博物館専報, 8: 1-81, 30 pls.
- 柄沢宏明・中川登美雄. 1992. 福井県及び石川県南部から産出する中新世大型甲殻類化石. 金沢大学日本海域研究所報告, 24: 1-18.
- Karasawa, H., Nobuhara, T. & Matsuoka, K. 1992. Fossil and living species of the giant isopod genus *Palaega* Woodward, 1870 of Japan. Sci. Rept. Toyohashi Mus. Nat. Hist., 2: 1-12.
- Karasawa, H., Suzuki, A. & Kato, H. 1995. *Bathynomus undecimspinosus* (Karasawa, Nobuhara & Matsuoka) (Crustacea, Isopoda) from the Miocene Hidarimatagawa Formation of Southwestern Hokkaido, Japan. Bull. Mizunami Fossil Mus. 22, 121-125.
- Keable, S. 1996. The synonymy of *Natatolana miyamotoi* Nunomura, 1991 with *Natatolana japonensis* (Richardson, 1904) (Isopoda: Cirolanidae) and a redescription of the species. Crust. Res., 25: 7-15.
- Kikuchi, T. 1968. Faunal list of the *Zostera marina* belt in Tomioka Bay, Amakusa, Kyushu. Publ. Amakusa Mar. Biol. Lab., 1(2): 163-192.
- Kim, H. S. & Kwon, D. H. 1985. The systematic study of the family Sphaeromatidae (Crustacea, Isopoda, Flabellifera) from Korea. Inje Journal, 1(2): 143-165.
- Kim, H. S. & Kwon, D. H. 1988a. Marine isopod crustaceans from Cheju Island, Korea. Inje Journal, 4 (1): 195-220.
- Kim, H. S. & Kwon, D. H. 1988b. Bopyrid isopods parasitic on decapod crustaceans in Korea. Korean J. Syst. Zool., Special Issue, 2: 199-221.
- Kwon, D. H. 1986. Some idoteid isopods (Crustacea) from Korea. Inje Journal, 2(1): 107-121.
- Kwon, D. H. 1988. A systematic study on the Korean marine isopod crustaceans I. Flabellifera part 1. Family Cirolanidae. Inje Journal., 4(2): 353-370.
- Kwon, D. H. & Kim, H. S. 1986. *Dynoides spinipodus*, a new species of sphaeromatid isopod (Crustacea) from the South coast of Korea. Korean J. Syst. Zool., 2(1): 43-48.
- Kwon, D. H. & Kim, H. S. 1987. A new species of the genus *Gnorimosphaeroma* (Crustacea, Isopoda,

- Sphaeromatidae) from the Naktong River, with a key to the Korean species of the genus. Korean J. Syst. Zool., 3(1): 51-56.
- Kussakin, O. G. 1962. On the fauna of Munnidae (Isopoda, Asellota) from the Far-Eastern seas of the USSR. Tr. Zool. Inst. Akad. Sci. USSR, 30: 66-109. [in Russian]
- Kussakin, O. G. 1965. On the fauna of Desmosomatidae (Crustacea, Isopoda) of the Far-Eastern Seas of the U.S.S.R. Akad. Sci. SSSR, Zool. Inst., Exploration of the Fauna of the seas III (XI). Fauna seas NW Pacific 115-144. [in Russian]
- Kussakin, O. G. 1972a. Isopoda from the coastal zone of the Kurile Islands. I. Janiridae and Jaeropsidae from Urup Island. Crustaceana, Suppl., 3: 155-165.
- Kussakin, O. G. 1972b. Isopoda from the coastal zone of the Kurile Islands. II. Some data on the Munnidae mainly from the middle Kuriles. Crustaceana, Suppl., 3: 165-177.
- Kussakin, O. G. 1972c. Isopoda from the coastal zone of the Kurile Islands. III. Three new arcturids from the middle Kuriles with taxonomic remarks on the family Arcturidae. Crustaceana, Suppl., 3: 178-189.
- Kussakin, O. G. 1974. Fauna and ecology of isopods (Crustacea) from the intertidal zone of the Kurile Islands. Trans. Acad. Sci. USSR, Far East Cent., Inst. Mar. Biol., 1: 227-275. [in Russian with English summary]
- Kussakin, O. G. 1975. A list of the macrofauna in the intertidal zone of the Kurile Islands, with remarks on zoogeographical structure of the region. Publ. Seto Mar. Biol. Lab., 22(1/4): 47-74.
- Kussakin, O. G. 1979a. Marine and brackish Isopoda of cold and temperate waters of the northern hemisphere I, suborder Flabellifera. Acad. Sci. U.S.S.R., Leningrad, 1-472. [in Russian]
- Kussakin, O. G. 1979b. On the isopod crustaceans (Isopoda) of the Sea of Okhotsk. Transactions, Akademiya Nauk CCCP, Dal'nevostochnyi Nauchnyi Tsentr (Far East Science Center, Vladivostok). (Investigations of Pelagic and Bottom Organisms from the Far-Eastern Seas) 15: 106-122. [in Russian]
- Kussakin, O. G. 1982. Marine and brackish Isopoda of cold and temperate waters of the northern hemisphere II, suborder Valvifera, Anthuridea, etc. Acad. Sci. U.S.S.R., Leningrad, 1-462. [in Russian]
- Kussakin, O. G. 1988. Marine and brackish Isopoda of cold and temperate waters of the northern hemisphere III, suborder Asellota. Acad. Sci. U.S.S.R., Leningrad, 1-170. [in Russian]
- Markham, J. C. 1982. Bopyrid isopods parasitic on decapod crustaceans in Hong Kong and southern China. Proceedings of the First International Marine Biological Workshop: The Marine Flora and Fauna of Hong Kong and Southern China (B. S. Morton & C. K. Tseng, editors), 1:325-391. Hong Kong: Hong Kong University Press.
- Markham, J. C. 1985a. A review of the bopyrid isopods infesting caridean shrimps in the northwestern Atlantic Ocean, with special reference to those collected during the Hourglass cruises in the Gulf of Mexico. Memoirs of the Hourglass Cruises 7 (3): 1-156.
- Markham, J. C. 1985b. Additions to the bopyrid fauna of Thailand. Zoologische Verhandlungen 224: 1-63.
- Markham, J. C. 1990. Further notes on the Isopoda Bopyridae of Hong Kong. Proceedings of the Second International Marine Biological Workshop: The Marine Flora and Fauna of Hong Kong and southern China, Hong Kong, 1986 [B. Morton, editor]. Volume 2: 555-568. Hong Kong: Hong Kong University Press.
- Markham, J. C. 1992. Second list of additions to the Isopoda Bopyridae of Hong Kong, 277-302, illustr. In Morton, B. [Ed.] The marine flora and fauna of Hong Kong and southern China 3. Volume 1: introduction, taxonomy and ecology. Proceedings of the Fourth International Marine Biological workshop: The Marine Flora and Fauna of Hong Kong and Southern China, 11-29 April 1989, pp.1-526. Hong Kong: Hong Kong University Press.
- Markham, J. C. 1994. Crustacea Isopoda: Bopyridae in the MUSORSTOM collections from the tropical Indo-Pacific I. Subfamilies Pseudioninae Subfamilies Pseudioninae (in part), Argeiinae, Orbioninae, Athelginae and Entophilinae. In: A. Crosnier (ed.) Resultats des Campagnes MUSORSTOM, volume 10. Memoires du Museum National d'Histoire Naturelle, Paris 161: 225-253.
- 松本浩一. 1973. 等脚目. in 上野益三監修, 日本淡水生物学 (川村多実二原著). pp.473-488. 北隆館, 東京.

- Matsumoto, K. 1956. On the two new subterranean water isopods, *Mackinia japonica* gen. et sp. nov. and *Asellus hubrichti* sp. nov. Bull. Jap. Soc. Sci. Fish., 21(12): 1219-1225, 2 pls.
- Matsumoto, K. 1958. A new subterranean-water isopod, *Asellus kagaensis* sp. nov., from the wells of Japan. Bull. Biogeogr. Soc. Japan., 20: 19-24.
- Matsumoto, K. 1960a. The subterranean-water isopod of Akiyoshi limestone area. Jap. J. Zool., 12: 603-608.
- Matsumoto, K. 1960b. Subterranean-water isopod of the Shikoku district, with three descriptions of three new species. Bull. Biogeogr. Soc. Japan., 22: 1-17.
- Matsumoto, K. 1960c. Subterranean-water isopod of the Kyushu district, with three descriptions of three new species. Bull. Biogeogr. Soc. Japan., 22: 27-43.
- Matsumoto, K. 1961a. Two subterranean isopods from the Amami group (Ryukyu Islands), with a description of a new species. Annot. Zool. Japon., 34: 208-215.
- Matsumoto, K. 1961b. Subterranean isopod Honshu, with the descriptions of four new species. Bull. Biogeogr. Soc. Japan, 22: 45-67.
- Matsumoto, K. 1962a. A new subterranean asellid from Hokkaido. Jap. J. Zool., 13: 257-265.
- Matsumoto, K. 1962b. Two new genera and a new subgenus of the family Asellidae of Japan. Annot. Zool. Japon., 35: 162-169.
- Matsumoto, K. 1963. Studies on the subterranean Isopoda of Japan, with notes on the well-water fauna of Japan. (Part 1). Studies on the subterranean Isopoda of Japan. (No. 1). Annual Rept. Tokyo-to Lab. Med. Sci., 13(Suppl.): 1-77.
- Matsumoto, K. 1966. Studies on the subterranean Isopoda of Japan, with notes on the well-water fauna of Japan. (Part 1). Studies on the subterranean Isopoda of Japan. (No. 2). Annual Rept. Tokyo-to Lab. Med. Sci., 23 : 77-103.
- *Matsumoto, K. 1968. Studies on the subterranean Isopoda, with notes on well-water fauna of Japan. (part 1). Studies on the subterranean Isopoda of Japan. (No. 3). Annual Rept. Tokyo-To Lab. Med. Sci., 26 : i+103-115.
- Matsumoto, K. 1970. Isopod crustaceans found in the subterranean waters of the Islands of Tsushima. Bull. Natn. Sci. Mus. Tokyo, 13: 231-239.
- Matsumoto, K. 1978. Three new species of subterranean asellids from Kyushu and the Kii Peninsula, Japan. J. speleol. Soc. Japan, 3: 20-34.
- 宮下義信. 1933. 観察雑誌(II). 動物学雑誌, 45: 285-290.
- Miyashita, Y. 1940. On an entoniscid with abbreviated development, *Entoniscoides okadai*, n. g., n. sp. Annot. Zool. Japon., 19(2): 149-157.
- Miyashita, Y. 1941. Observations on an Entoniscid parasite of *Eriocheir japonicus* de Haan, *Entionella fluvialilis* n. g., n. sp. Jap. Journ. Zool., 9: 251-267.
- Miyashita, M. & Yasuno, M. 1984. Growth and reproduction of *Asellus hilgendorffii* (Crustacea, Isopoda) under laboratory conditions. Jap. J. Limnol., 45(3): 213-219.
- 三谷 勇. 1982. 寄生虫 *Nerocila phaeopleura* Bleeker によるマイワシ肥満度の変化について. 日本水産学会誌, 48(5): 611-615.
- 三井辰雄. 1943. マメコブシガニ (*Philyra pisum* De Haan) に及ぼすEpicaridizationの影響. 広島文理科大学理科学紀要(動物学), 10(6): 103-117.
- Monod, T. 1926. Les Gnathiidae, essai monographique (morphologie, biologie, systematique). Mem. Soc. Sci. nat. Maroc., 13: 1-668, 1 pl.
- 森 美枝. 1996. 開いた口がふさがらない? マリンバビリオン, 26(9): 57.
- 森田眞一. 1940a. カクレガニ (*Pinnotheres* sp.) とそれに寄生するBopyridの一種 (*Heterocephon marginatum* Shiino) に就いての二三の観察. 植物及び動物, 8(7): 76-80.
- 森田眞一. 1940b. カクレガニとそれに寄生するBopyridに就いて. 博物学会誌(広島文理科大学高等師範学校博物学会), 8(皇紀二千六百年記念号): 55-58.
- *森田眞一. 1953. *Pinnotheres cardii* に及ぼすEpicaridizationの影響II: 生殖腺に及ぼす影響と二次性徴との関連について. 長崎大学学芸学部自然科学研究報告(生物之部), 3: 5-13.
- *森田眞一. 1955. *Heterocephon marginatum* Shiino (Bopyridae) に於ける異状な寄生状況を示す3例とその性について. 長崎大学学芸学部自然科学研究報告, 4: 1-7.
- Müller, H.-G. 1989. Redescription of *Gnathia sugashimaensis* Nunomura (Crustacea: Isopoda) from Japan. Publ. Seto Mar. Biol. Lab., 34(1/3): 25-30.
- 長澤和也. 1984. サンマに寄生する甲殻類について. 魚病研究, 19(1): 57-63.

- Nakashima, Y. 1995. Can small male shrimps achieve copulation in the presence of larger ones? *Journal of Ethology*, 13 (1): 9-16.
- Nierstrasz, H. F. & Brender a Brandis, G. A. 1923. Die Isopoden der Siboga-Expedition. II. Isopoda Genuina. I. Epicaridea. *Siboga Expeditie Monographie* 32: 57-121.
- Nierstrasz, H. F. & Brender a Brandis, G. A. 1931. Papers from Dr. Th. Mortensen's Pacific Expedition 1914-16. 57. Epicaridea 2. *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjobenhavn* 91: 147-225.
- Nierstrasz, H. F. & Brender a Brandis, G. A. 1932. Alte und neue Epicaridea. *Zoologischer Anzeiger* 101: 90-100.
- 西村三郎. 1981. 軟甲亜綱. *in* 内海富士夫監修, 学研生物図鑑水生動物. pp.96-97. 学習研究社, 東京.
- Nishimura, S. 1968a. A larval gnathiid from Seto, Japan (Crustacea: Isopoda). *Publ. Seto Mar. Biol. Lab.*, 16(1): 7-9.
- Nishimura, S. 1968b. *Gnorimosphaeroma lata* n. sp., a new marine isopod from Kii, Japan. *Publ. Seto Mar. Biol. Lab.*, 16(4): 273-280.
- Nishimura, S. 1969a. A new *Cymodocella* from Japan (Isopoda: Sphaeromatidae). *Publ. Seto Mar. Biol. Lab.*, 16(5): 335-344.
- Nishimura, S. 1969b. *Gnorimosphaeroma salebrosa* sp. nov. from the coast of Kii, Japan (Isopoda: Sphaeromatidae). *Publ. Seto Mar. Biol. Lab.*, 16(5): 385-393.
- Nishimura, S. 1976a. Redescription of *Leptosphaeroma gottschei* Hilgendorf (Isopoda: Sphaeromatidae), with some biological notes. *Publ. Seto Mar. Biol. Lab.*, 23(1/2): 169-177.
- Nishimura, S. 1976b. *Dynoidella conchicola*, gen. et sp. nov. (Isopoda: Sphaeromatidae), from Japan, with a note on its association with intertidal snails. *Publ. Seto Mar. Biol. Lab.*, 23(3/5): 275-282.
- 布村 昇. 1984. 海産等脚類研究の現状. *日本ベントス研究会誌*, 26: 38-42.
- 布村 昇. 1987. 大植湾ならびに三陸沿岸産等脚目甲殻類. *東大海洋研大植臨海研究センター報告*, 13: 1-5.
- 布村 昇. 1991. ワラジムシ目(等脚目). *in* 青木淳一監修, 日本産土壌動物検索図説. figs.169-202, pp.58-64. 東海大学出版会, 東京.
- 布村 昇. 1993. ワラジムシ目(等脚類). *in* 環境庁自然保護局野生生物課編, 日本産野生生物目録: 本邦産野生動植物の種の現状(無脊椎動物I). pp.87-89. 自然環境研究センター, 東京.
- 布村 昇. 1995. 等脚目. *in* 西村三郎編, 原色検索日本海岸動物図鑑(II). pp.205-223. 保育社, 大阪.
- 布村 昇. 1996. 富岡市の淡水棲イソコップムシ属の1種. *富山の生物*, 35: 13-16.
- 布村 昇. 1997a. 等脚目(ワラジムシ目). *in* 千原光雄・村野正昭編, 日本産海洋プランクトン検索図説, xv, 1112-1130. 東海大学出版会, 東京.
- 布村 昇. 1988. 石川県産陸生等脚目甲殻類. *富山の生物*, 37: 43-46.
- 布村 昇. 1999a. 日本産陸生等脚目甲殻類(Isopoda)の分類学的位置の変更について. *Edaphologia*, 62: 81-91.
- 布村 昇. 1999b. 富山市科学文化センター所蔵の氷見海岸産無脊椎動物I: 軟体動物以外. *富山の生物*, 38: 29-39.
- Nunomura, N. 1973. Description of *Microcerberus kiiensis*, n. sp.: primary record of the suborder Microcerberidea (Crustacea, Isopoda) in Japan. *Publ. Seto Mar. Biol. Lab.*, 21(2): 87-93.
- Nunomura, N. 1974a. Marine Isopoda from the coast of Hikigawa Town, Kii Peninsula, middle Japan (1). *Bull. Osaka Mus. Nat. Hist.*, 28: 1-12.
- Nunomura, N. 1974b. A new anthurid isopod from the estuary of the Muromi River, northern Kyushu, Japan. *Bull. Osaka Mus. Nat. Hist.*, 28: 13-16.
- Nunomura, N. 1975. Marine Isopoda from the rocky shore of Osaka Bay, middle Japan (1). *Bull. Osaka Mus. Nat. Hist.*, 29: 15-35.
- Nunomura, N. 1976a. A new isopod of the genus *Accalathura* (Crustacea) from the Okhotsk sea. *Bull. Osaka Mus. Nat. Hist.*, 30: 27-30
- Nunomura, N. 1976b. *Ananthura rigida*, n. sp., a new deep-sea isopod from Suruga Bay, Japan. *Bull. Osaka Mus. Nat. Hist.*, 30: 93-96.
- Nunomura, N. 1977. Marine Isopoda from Amakusa, Kyushu (1). *Publ. Amakusa Mar. Biol. Lab.* 4(2): 71-90.
- Nunomura, N. 1979a. *Mesanthura miyakoensis*, a new anthurid isopod from Miyakojima Island, Ryukyu Islands, Japan. *Bull. Toyama Sci. Mus.*, 1: 31-35.
- Nunomura, N. 1979b. *Ligia boninensis*, a new isopod crustacean from Haha-jima, Bonin Islands, Japan. *Bull. Toyama Sci. Mus.*, 1: 37-40.

- Nunomura, N. 1980. Some terrestrial isopod crustaceans from Toyama City, middle Japan. Bull. Toyama Sci. Mus., 2: 13-21.
- Nunomura, N. 1981a. Isopod crustaceans in Sado Island, the Sea of Japan. Ann. Rept. Sado Mar. Biol. Stat., 11: 43-62.
- Nunomura, N. 1981b. *Eurydice akiyamai* sp. nov., a new isopod crustacean from an estuary in Chiba Prefecture, central Japan. Bull. Toyama Sci. Mus., 3: 7-11.
- Nunomura, N. 1981c. Three species of flabelliferan isopods (Crustacea) from the East China Sea, including the description of a new species of *Syscenus*. Bull. Toyama Sci. Mus., 3: 13-18.
- Nunomura, N. 1981d. *Gnathia sugashimaensis*, a new gnathiid isopod from Sugashima, Ise Bay, central Japan. Bull. Toyama Sci. Mus., 3: 19-24.
- Nunomura, N. 1982a. A new gnathiid isopod from Saeki Bay, western Japan. Bull. Toyama Sci. Mus., 4: 17-21.
- Nunomura, N. 1982b. *Cirolana toyamaensis*, a new cirolanid isopod from Toyama Bay, central Japan. Bull. Toyama Sci. Mus. 4: 23-30.
- Nunomura, N. 1983a. Studies on the terrestrial isopod crustaceans in Japan I. Taxonomy of the families Ligiidae, Trichoniscidae and Olbrinidae. Bull. Toyama Sci. Mus., 5: 23-68.
- Nunomura, N. 1983b. A new species of the family Anuropodidae (Crustacea: Isopoda) from the Okhotsk sea. Bull. Toyama Sci. Mus., 5: 69-73.
- Nunomura, N. 1984a. Studies on the terrestrial isopod crustaceans in Japan II. Taxonomy of the family Scyphacidae. Bull. Toyama Sci. Mus., 6: 1-43.
- Nunomura, N. 1984b. *Cirolana lignicola*, a new cirolanid isopod from the East China Sea. Bull. Toyama Sci. Mus., 6: 45-49.
- Nunomura, N. 1984c. A new species of the anthurid isopod genus *Eisothistos* from Osaka Bay, middle Japan. Bull. Toyama Sci. Mus., 6: 51-55.
- Nunomura, N. 1984d. Two new idoteid Isopoda from Otsuchi Bay, northern Japan. Bull. Toyama Sci. Mus., 6: 57-64.
- Nunomura, N. 1984e. A new species of the valviferan isopod genus *Euidotea* from off Noto in the Japan Sea. Bull. Toyama Sci. Mus., 6: 65-68.
- Nunomura, N. 1985a. Proposal of a new name for *Synidotea acuta* Nunomura, 1984. Bull. Toyama Sci. Mus., 7: 71.
- Nunomura, N. 1985b. *Cirolana albicauda*, a new cirolanid isopod from the sea off Owase, middle Japan. Bull. Toyama Sci. Mus., 7: 73-76.
- Nunomura, N. 1985c. Marine tanaid and isopod crustaceans off Kagawa Prefecture, Seto Inland Sea, Japan. Spec. Publ. Mukaishima Mar. Biol. Stat., 101-112.
- Nunomura, N. 1985d. Marine isopod crustaceans in the coast of Toyama Bay. Mem. Natn. Sci. Mus., Tokyo, 18: 121-139.
- Nunomura, N. 1986. Studies on the terrestrial isopod crustaceans in Japan III. Taxonomy of the families Scyphacidae (continud), Marinoniscidae, Halophilosciidae, Philosciidae and Oniscidae. Bull. Toyama Sci. Mus., 9: 1-72.
- Nunomura, N. 1987. Studies on the terrestrial isopod crustaceans in Japan IV. Taxonomy of the families Trachelipidae and Porcellionidae. Bull. Toyama Sci. Mus., 11: 1-76.
- Nunomura, N. 1988a. Description of *Nishimuraia paradoxa* gen. et sp. nov., and the first record of the genus *Paracerceis* in Japan (Isopoda: Sphaeromatidae). Bull. Toyama Sci. Mus., 12: 1-7.
- Nunomura, N. 1988b. A new species of the genus *Cirolana* from Hachijojima, Izu shoto. Bull. Toyama Sci. Mus., 12: 9-12.
- Nunomura, N. 1988c. Description of *Excorallana yamamurae* sp. nov., (Crustacea: Isopoda) preliminary record of the genus in Japan. Bull. Toyama Sci. Mus., 12: 13-17.
- Nunomura, N. 1988d. A new species of the genus *Aega* (Crustacea: Isopoda) from the sea off Okinawa. Bull. Toyama Sci. Mus., 12: 19-22.
- Nunomura, N. 1988e. A new species of *Gnathia* (Crustacea: Isopoda) from the sea off Ibaragi, central Japan. Bull. Toyama Sci. Mus., 12: 27-28.
- Nunomura, N. 1988f. Description of *Paridotea munda* sp. nov. (Isopoda, Idoteidae) in central Japan. Bull. Toyama Sci. Mus., 12: 29-32.
- Nunomura, N. 1988g. A specimen belonging to the genus *Pentias* (Crustacea: Isopoda) off Ibaragi, central Japan. Bull. Toyama Sci. Mus., 12: 33-36.
- Nunomura, N. 1990. Studies on the terrestrial isopod crustaceans in Japan V. Taxonomy of the families

- Armadillidiidae, Armadillidae and Tylidae, with taxonomic supplements to some other families. Bull. Toyama Sci. Mus., 13: 1-58.
- Nunomura, N. 1991a. Studies on the terrestrial isopod crustaceans in Japan VI. Further supplements to the taxonomy. Bull. Toyama Sci. Mus., 14: 1-26.
- Nunomura, N. 1991b. Littoral isopod crustaceans deposited at the Toyama Science Museum. Bull. Toyama Sci. Mus., 14: 27-44.
- Nunomura, N. 1991c. A new species of the genus *Natatolana* off the coast of Toyama City. Bull. Toyama Sci. Mus., 14: 45-48.
- Nunomura, N. 1992a. Studies on the terrestrial isopod crustaceans in Japan VII. Supplements to the taxonomy-3. Bull. Toyama Sci. Mus., 15(20): 1-23.
- Nunomura, N. 1992b. A new species of the genus *Amakusanthura* (Crustacea, Isopoda) from Shinminato, Toyama Prefecture, middle Japan. Bull. Toyama Sci. Mus., 15: 25-29.
- Nunomura, N. 1992c. An isopod specimen from the stomach of a zoachiad fish collected from the sea off Iwase, Toyama. Bull. Toyama Sci. Mus., 15: 31-33.
- Nunomura, N. 1992d. Three cymotoid isopods collected from the sea off the Bonin Islands. Bull. Toyama Sci. Mus., 15: 35-45.
- Nunomura, N. 1992e. Anthuridea (Crustacea: Isopoda) from the Ryukyu Archipelago. Bull. Toyama Sci. Mus., 15: 47-56.
- Nunomura, N. 1992f. Marine Isopoda from Amakusa, Kyushu (II). Publ. Amakusa Mar. Biol. Lab., 11 (2): 59-71.
- Nunomura, N. 1993a. A cymotoid isopod crustacean collected from the sea off Mizuhashi, Toyama City. Bull. Toyama Sci. Mus., 16: 7-10.
- Nunomura, N. 1993b. A new species of the genus *Aega* from Toyama Bay. Bull. Toyama Sci. Mus., 16: 11-14.
- Nunomura, N. 1993c. Marine isopod crustaceans of Seto Inland Sea deposited at the Toyama Science Museum-1. Suborder Anthuridea-1. Bull. Toyama Sci. Mus., 16: 15-30.
- Nunomura, N. 1994a. A new rock boring isopod crustacean belonging to the genus *Sphaeroma* collected from Tanabe Bay, Kii Peninsula, middle Japan. Bull. Toyama Sci. Mus., 17: 1-5.
- Nunomura, N. 1994b. A new species of the genus *Exocorallana* collected from Ishigaki Island, Ryukyu Islands. Bull. Toyama Sci. Mus., 17: 7-11.
- Nunomura, N. 1995. A specimen of marine isopod crustacean of the genus *Idotea* collected from Otsuchi Bay, northern Japan. Bull. Toyama Sci. Mus., 18: 1-4.
- Nunomura, N. 1997a. Marine isopod crustaceans of Seto Inland Sea deposited at the Toyama Science Museum-2. Suborder Valvifera. Bull. Toyama Sci. Mus., 25: 79-82.
- Nunomura, N. 1997b. A new species of sphaeromatid isopod crustacean of the genus *Dynoides* collected from Tachibana Bay, Shikoku, southern Japan. Bull. Toyama Sci. Mus., 25: 73-77.
- Nunomura, N. 1998a. On the genus *Gnorimosphaeroma* (Crustacea, Isopoda, Sphaeromatidae) in Japan with description of six new species. Bull. Toyama Sci. Mus., 21: 23-54.
- Nunomura, N. 1998b. A new species of the gnathiid isopod crustacean from the sea off Sanriku, northern Japan. Bull. Toyama Sci. Mus., 21: 55-60.
- Nunomura, N. 1998c. A new species of the arcturid isopod crustacean from Gokasho Bay, central Japan. Bull. Toyama Sci. Mus., 21: 61-64.
- Nunomura, N. 1998d. A species of the armadillid isopod crustacean from Iwate, Northern Japan. Bull. Toyama Sci. Mus., 21: 65-68.
- Nunomura, N. 1999a. A new species of the genus *Gnorimosphaeroma* (Isopoda, Sphaeromatidae) from the mouth of Tonda River, Kii Peninsula, southern Japan. Bull. Toyama Sci. Mus., 22: 1-5.
- Nunomura, N. 1999b. Sea shore isopod crustaceans collected from Izu Islands, Middle Japan. Bull. Toyama Sci. Mus., 22: 7-38.
- Nunomura, N. & Ikehara, K. 1985. Some isopod crustaceans collected in the middle coastal area of the Japan Sea. Bull. Toyama Sci. Mus., 7: 51-69.
- Nunomura, N. & Nishimura, S. 1976. Marine Isopoda from the rocky shore of Osaka Bay, middle Japan (2). Bull. Osaka Mus. Nat. Hist., 30: 19-26.
- Ogawa, K. & Matsuzaki, K. 1985. First record of barnacle-infesting isopod, *Hemioniscus balani* (Epicarida, Liriopsidae), from the Pacific coast of northern Japan. Bull. Biogeogr. Soc. Japan, 40 (6): 43-31.

- 小川和夫. 1989. ヒモたちの奇っ怪紳士録: 不思議な寄生甲殻類たち. アニマ, 198: 62-66.
- 小川良徳. 1952. サヨリの鰓腔に寄生するサヨリヤドリムシ. 採集と飼育, 14(9): 290.
- Oguro, C. 1957. Notes on *Upogebia major* infected with an epicaridean parasite. Annot. Zool. Japon., 30 (1): 31-32.
- 大島 廣. 1930. 天草雑記(其の三). 動物学雑誌, 42: 29-37.
- Ohta, S. 1983. Photographic census of large-sized benthic organisms in the bathyal zone of Suruga Bay, central Japan. Bull. Ocean Res. Inst. Univ. Tokyo, 15: 1-242.
- 尾身東美・水島敏博. 1984. 北海道東部海域のエビに寄生するエビヤドリムシ. 北水試月報, 41: 249-256.
- *Ortmann, A. 1895. A new species of the isopod-genus *Bathynomus*. Proc. Acad. nat. Sci. Philad., 1894, pp.191-193.
- Richardson, H. 1904. Isopoda collected in the year 1900 by the U. S. Fish Commission steamer Albatross, and in the year 1881 by the U. S. S. Palos. Proc. U. S. Nat. Mus., 27: 32-45.
- Richardson, H. 1905. A monograph on the isopods of North America. Bull. U. S. Nat. Mus., 54: I-LIII +1-727.
- Richardson, H. 1909. Isopods collected in the northwest Pacific by the U.S. bureau of fisheries steamer "Albatross" in 1906. Proc. U. S. Nat. Mus., 37(1701): 75-129.
- 齋藤暢宏. 1996. 駿河湾から採集されたオジロスナホリムシ. 南紀生物, 38(2): 87-90.
- 齋藤暢宏・布村 昇. 1996. サドスナホリムシを静岡県三保海岸で発見. Cancer, 5: 27-28.
- 齋藤暢宏・大池辰也. 1998. オサガメの消化管内より得られたウオノエ科等脚類(甲殻綱)について. エコロケーション, 59: 3-5.
- Saito, S. 1986. Ecological distribution and species diversity of terrestrial isopods in western part of Gunma, central Japan. Bull. Biogeogr. Soc. Japan, 41(6): 45-50.
- Sanada, M. 1941. On sexuality in Cymothoidae, Isopoda I *Rhexana verrucosa* Schoedte & Meinert parasitic in the buccal cavity of the porgy, *Pagrosomus major* (Temminck & Schlegel). J. Sci. Hiroshima Univ., ser. B, div. 1, 9(19): 209-217.
- Sekiguchi, H., Yamaguchi, Y. & Kobayashi, H. 1981. *Bathynomus* (Isopoda: Cirolanidae) attacking sharks caught in a gill-net. Bull. Fac. Fish., Mie Univ., 8: 11-17.
- Sekiguchi, H., Yamaguchi, Y. & Kobayashi, H. 1982. Geographical distribution of scavenging giant isopods bathynomids in the northwestern Pacific. Bull. Jap. Soc. Sci. Fish., 48(4): 499-504.
- 椎野季雄. 1944a. 木材穿孔性海産甲殻類に関する研究 I. キクヒムシ (*Limnoria*) 二種に就いて. 資源科学研究彙報, 6: 1-19.
- 椎野季雄. 1944b. 木材穿孔性海産甲殻類に関する研究 II. 穿孔性コツブムシ亜科半鰓類 (Sphaerominae: Hemibranchiatae) 四種に就いて. 資源科学研究彙報, 7:1-20.
- 椎野季雄. 1950. 海産穿孔性甲殻類. in 中村健児編, 現代生物学の諸問題. pp.462-498. 増進堂.
- 椎野季雄. 1951. 日本産魚類に寄生する等脚類に就いて. 日水誌, 16(12): 81-89.
- 椎野季雄. 1952. エビヤドリムシ科の系統発生について. 三重県立大学研究年報, 第2部自然科学, 1(1): 33-56.
- 椎野季雄. 1957. 等脚目(一部). in 内田清之助編集, 日本動物図鑑. pp.819-821. 北隆館, 東京.
- 椎野季雄. 1958a. 穿孔性甲殻類概説. in 岡田 要編, 木船木材の蝕害とその防除. pp.135-152. 日本学術振興会, 東京.
- 椎野季雄. 1958b. 日本産木材穿孔性海産甲殻類. in 岡田 要編, 木船木材の蝕害とその防除. pp.153-161. 日本学術振興会, 東京.
- 椎野季雄. 1961. 等脚目. in 岡田 要・内田清之助・内田亨監修, 原色動物大図鑑(IV). pp.125-126, pls.62-63. 北隆館, 東京.
- 椎野季雄. 1965. 等脚目. in 岡田 要・内田清之助・内田亨監修, 新日本動物図鑑(中). pp.539-555, no.714-769. 北隆館, 東京.
- 椎野季雄. 1972. 等脚類ヤドリムシ亜目の日本産全種について. 関西自然科学, 24: 7-10.
- Shiino, S. M. 1933. Bopyrids from Tanabe Bay. Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 8: 249-300.
- Shiino, S. M. 1934. Bopyrids from Tanabe Bay, II. Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 9: 257-287.
- Shiino, S. M. 1936a. Bopyrids from Tanabe Bay, III. Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 11: 157-174.
- Shiino, S. M. 1936b. Bopyrids from Shimoda and other districts. Rec. Oceanogr. Works in Japan, 8: 161-176.

- Shiino, S. M. 1936c. Bopyrids from Misaki. Rec. Oceanogr. Works in Japan, 8: 177-190.
- Shiino, S. M. 1937a. Bopyrids from Tanabe Bay, IV. Mem. Coll. Sci., Kyoto Imp. Univ., ser. B, 12: 479-493.
- Shiino, S. M. 1937b. *Holophryxus fusiformis*, a new species of Dajidae, Epicaridea. Annot. Zool. Japon., 16: 188-192.
- Shiino, S. M. 1937c. Some additions to the bopyrid fauna of Japan. Annot. Zool. Japon., 16: 293-300.
- Shiino, S. M. 1939a. Bopyrids from Kyusyu and Ryukyu. Rec. Oceanogr. Works in Japan, 10: 79-99.
- Shiino, S. M. 1939b. Bopyrids from Tanabe Bay, V. Annot. Zool. Japon., 18: 11-16.
- Shiino, S. M. 1939c. A new phryxid (Epicaridea) from the Inland Sea. Annot. Zool. Japon., 18: 17-20.
- Shiino, S. M. 1941. Further notes on bopyrids from Kyusyu and Ryukyu. Annot. Zool. Japon., 20: 154-158.
- Shiino, S. M. 1942a. Note on *Cyproniscus ovaris* n. sp., a new cryptoniscan parasite (Epicaridea, Isopoda) found on *Cypridina hilgendorfi*. Annot. Zool. Japon., 21(2): 82-89.
- Shiino, S. M. 1942b. On the parasitic isopods of the family Entoniscidae, especially those found in the vicinity of Seto. Mem. Coll. Sci., Kyoto Imp. Univ., (B), 17(1): 37-76.
- Shiino, S. M. 1943. On *Prodajus bilobatus*, a new species of the family Dajidae (Epicaridea, Isopoda). J. Sigenkagaku Kenkyusho, 1(2): 115-118.
- Shiino, S. M. 1949a. On two new species of the bopyrid genus, *Bopyrella*, found in Japan. Bull. Biogeogr. Soc. Japan, 14: 45-50.
- Shiino, S. M. 1949b. On two new bopyrid parasites belong to the genus *Orbione*. Bull. Biogeogr. Soc. Japan, 14: 51-55.
- Shiino, S. M. 1949c. On two new genera of Bopyridae found in Japan. Bull. Biogeogr. Soc. Japan, 14: 57-63.
- Shiino, S. M. 1950a. Note on some bopyrids from Japan. J. Mie Med. Coll., 1: 151-167.
- Shiino, S. M. 1950b. The marine wood-boring crustaceans of Japan. I. Limnoriidae. Was. J. Biol., 8(3): 333-358.
- Shiino, S. M. 1951. Some bopyrid parasites found on the decapod crustaceans from the waters along Mie Prefecture. Rept. Fac. Fish. Pref. Univ. Mie, 1(1): 26-40.
- Shiino, S. M. 1952. On the genus *Danalia* Giard found in Japan. Annot. Zool. Japon., 25(1, 2): 329-336.
- Shiino, S. M. 1954. A new fresh-water entoniscid isopod, *Entionella okayamaensis* n. sp. Rept. Fac. Fish. Pref. Univ. Mie, 1(3): 239-246.
- Shiino, S. M. 1957. The marine wood-boring crustaceans of Japan II (Sphaeromidae and Cheluridae). Was. J. Biol., 15(2): 161-197.
- Shiino, S. M. 1958. Note on the bopyrid fauna of Japan. Rept. Fac. Fish. Pref. Univ. Mie, 3(1): 29-73.
- Shiino, S. M. 1961. Eine neue Art der Gattung *Argathona* (Crustacea, Isopoda, Flabellifera, Corallanidae) aus Japan. Rept. Fac. Fish., Pref. Univ. Mie., 4(1): 93-98.
- Shiino, S. M. 1964. Results of Amami Expedition. 5. Bopyridae. Rept. Fac. Fish. Pref. Univ. Mie, 5(1): 237-242.
- Shiino, S. M. 1965. Phylogeny of the genera within the family Bopyridae. Bull. Mus. Natl. D'Histr. Natur., 2 Ser., 37(3): 462-465.
- Shimomura, M. & Mawatari, S. F. 1999. Isopods of the Doderlein Collection. in Nishikawa, T. (ed). Preliminary taxonomic and historical studies on Prof. Ludwig Doderlein's Collection of Japanese animals made in 1880-81 and deposited at several European museum. pp.48-49. Report of activities in 1997-98 supported by Grant-in Aid for International Scientific Research (Field Research) No. 09041155.
- Simoizumi, M. 1983. Studies on the sexuality of a sand beach isopod, *Excirrolana japonica*. 1. Sex character and sexual differentiation. J. Gakugei, Tokushima Univ. (Nat. Sci), 34: 53-60.
- 庄司幸八. 1930. マメコブシガニに寄生する一種のBopyridに就いて(短報). 動物学雑誌, 42: 329-330.
- 武田正倫. 1994. フジツボ・ワレカラ類. in 奥谷喬司・楚山勇監修, 海辺の生き物: 山溪フィールドブックス⑧, pp.265-284. 山と溪谷社, 東京.
- Tanaka, K. & Aoki, M. 1998. Crustacean infauna of the demosponge *Halichondria okadai* (Kadota) with reference to the life cycle of *Gnathia* sp. (Isopoda: Gnathiidea). in Watanabe, Y. & Fusetani, N. (eds.), Sponge Sciences, pp.259-267. Springer-Verlag.
- 寺田美奈子. 1992. 自然度の指標動物: ダンゴムシ・ワラ

- ジムシ. 動物たちの地球, 70: 2・306-307.
- Thielemann, M. 1910. Beiträge zur Kenntnis der Isopoden fauna Ostasiens. Abhandl. math.-phys. Klass. Akad. Wiss., Suppl., 2(3): 1-110, 2 pls.
- 宇田川徹. 1992. 亜寒帯沿岸の等脚目甲殻類オホーツクヘラムシ *Idothea ochotensis* Brandt, 1856. 北水研ニュース, 44: 7.
- 宇田川徹. 1996a. ウバガイ漁場に棲息する等脚目甲殻類シオムシ *Tecticeps glaber* Gurjanova, 1933. 北水研ニュース, 51: 4-5.
- 宇田川徹. 1996b. 冷たい海にすむ等脚目甲殻類. うみうし通信, 11: 2-3.
- Uéno, M. 1927. Notes on some subterranean isopods and amphipods of Japan. Mem. Coll. Sci. Koyto Imp. Univ., (B), 3: 355-468.
- Uéno, M. 1938. *Asellus* from the Ryukyu Islands. Trans. nat. Hist. soc. Formosa, 28: 264-268.
- 内海富士夫. 1981. 学研生物図鑑水生動物. 学習研究社.
- 内海富士夫・西村三郎・鈴木克美. 1971. 標準原色図鑑全集, 16, 海岸動物. 保育社.
- Uye, S. & Murase, A. 1997. Infertility of the planktonic copepod *Calanus sinicus* caused by parasitism by a larval epicaridean isopod. Plankton Biol. Ecol., 44(1/2): 97-99.
- Vandel, A., 1968. Les Premiers isopodes terrestres et Cavernicoles D couverts dans l' Archipe; Nippon. Bull. natn. Sci. Mus. Tokyo, 11(4): 351-362.
- Vandel, A., 1970b. Les Isopodes terrestres et Cavernicoles de l' Archipel Nippon (second M moires) . Bull. natn. Sci. Mus. Tokyo, 13(3): 373-382.
- Vannie, J. & Abe, K. 1993. Functional morphology and behavior of *Vargula hilgendorffii* (Ostracoda: Myodocopa) from Japan, and discussion of its crustacean ectoparasite: preliminary results from video recordings. J. Crust. Biol., 13(1): 51-76.
- 和田時夫. 1982. サンマの鰓腔内にみられた寄生性等脚類について. 北水研ニュース, 26: 3-4.
- 山本圭介. 1991. ウオノエ科等脚類の海産魚背部筋肉中への寄生. 西海区水産研究所ニュース, 68: 12-14.
- Yoshida, M. 1952. On the breeding character of the shrimp, *Leander serrifer*, parasitized by bopyrids. Annot. Zool. Japon., 25(3): 362-365.
- Yun, S. G. 1982. Five species of sphaeromatid isopods (Flabellifera: Isopoda) from the southern coast of Korea. Bull. Nat. Fish. Univ. Busan, 22(2): 1-23.

*: 未収集文献 [間接引用献]