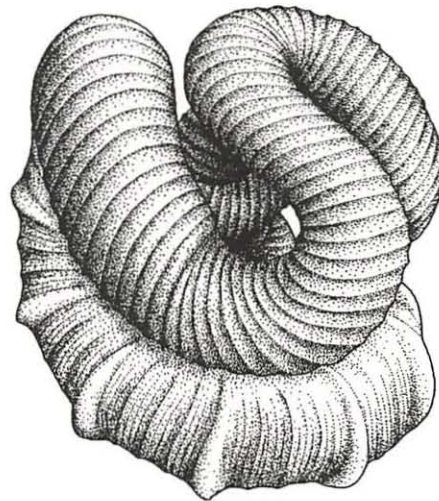


Special Papers - Number 43

**The database of Japanese fossil
type specimens
described during the 20th Century
(Part 5)**

Edited by
Naotomo Kaneko
and
Kenshiro Ogasawara



Palaeontological Society of Japan

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The database of Japanese fossil type specimens described during the 20th Century (Part 5)

Edited by
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Preface

The volumes of the publication entitled, “The database of Japanese fossil type specimens described during the 20th Century” are published in the Special Papers of the Palaeontological Society of Japan (Nos. 39–42). Readers may refer to the introductory section that appeared in the first volume (Ikeya *et al.* 2001, p. 1–3). This provides information on the background to these volumes, including the history and details of work that led to their production and publication, under the Japan National Committee for Paleontology of the Science Council of Japan (CPS).

The first volume of the publication appeared in May 2001 and catalogued around 5,000 type specimens of fossils that were described mainly by Japanese scholars before the turn of the 21st Century, and that are reported to be deposited at institutions in Japan. The second, third and fourth volumes include details of around 5,800, 3,500 and 600 type specimens respectively. This fifth volume includes around 2,200 type specimens of fossils belonging to two faunal groups described between the 18th to 21st centuries. Thus, the total number of type specimens archived in Japan exceeds 17,000.

Each taxonomic entry in the database comprises the following items in descending order:

- 1) The scientific name of a taxon, along with the name of the author who first described it, and the date of publication.
- 2) The reference in which the taxon was first proposed, including details on the volume and page number/s, and plate and figure number/s.
- 3) The category of type specimens such as Holotype, Paratype, Syntype, etc., with the registered repository (depository) numbers. An asterisk is appended to those specimens whose physical presence was ascertained at a given repository.
- 4) The type localities, including the name of cities, towns and villages, listed both in the manner in which they appeared in the original publication, and in the way they are currently known. As far as possible, the geo-coordinates (latitude and longitude) are indicated for these localities.

- 5) The stratigraphic unit, including details of the formation, member, and group, from which the fossil taxa were recovered.
- 6) The age of the fossil taxa as expressed either in geological terms (Epoch and Age) or chronostratigraphic terms (Series and Stage).
- 7) Comments are provided in order to denote the name currently applied to a particular taxon by contemporary workers. Remarks necessary from a systematic point of view are also included. In addition, every remark and corrected items made by the authors of the present database are included within brackets.

The taxa compiled in the first volume includes the following: Calcareous Nannofossils, Dinoflagellate, Radiolaria, Cenozoic smaller benthic Foraminifera, Planktic Foraminifera, Fusulinoidea, Pteropoda and Heteropoda, Cenozoic Bivalvia, Paleozoic and Mesozoic Gastropoda, Monoplacopora and Hyolitha, Non-marine Mollusca, Conchostraca, Barnacles, Decapoda, Isopoda and Stomatopoda, Cenozoic Brachiopoda, Bryozoa, Crinoidea, Echinoidea and Holothuroidea, Conodonts and trace fossils.

The second volume includes the following: Cenozoic plants, Paleozoic smaller benthic Foraminifera, Mesozoic and Cenozoic larger Foraminifera, Mesozoic and Paleozoic corals, Triassic Ammonoidea, Cretaceous Ammonoidea, Mesozoic and Cenozoic Nautiloidea, Cenozoic Gastropoda, Cenozoic Scaphopoda and Cenozoic Bivalvia (Supplementary data).

The third volume includes the following: Diatom, Ostracoda, Bivalvia of Triassic, Jurassic and Cretaceous ages, Polyplacophora and allied taxa, Jurassic Ammonoidea, Mesozoic Brachiopoda, Trilobita, Insecta and Vertebrata.

The fourth volume includes the following: Calcareous Algae, Paleozoic and Mesozoic Stromatoporoidea, Triassic and Jurassic Foraminifera, Mesozoic Planktic Foraminifera, Paleozoic Ammonoidea, Paleozoic non-ammonoid cephalopods, Paleozoic Bivalvia, and some supplements such as Cri-

noidea, Paleozoic and Mesozoic corals, and Non-marine Mollusca.

The present volume includes taxa such as Paleozoic Brachiopoda and Cenozoic corals. Paleozoic Brachiopoda and Cenozoic corals include around 840 and 1,400 type specimens respectively.

This database was funded by the JSPS KAKENHI, with the section on Paleozoic Brachiopoda supported by Grant Number 24540503. The section on Cenozoic corals was funded by Grant Number 22370033 and by the Monitoring for Global Warming Effects on Marine Environment of National Institute for Environmental Studies, Japan.

Abbreviation for repository of type specimens

(Abbreviations printed in bold letters, for instance **NSMT**, denote the current name of a given institute among various names used in the past)

- BM...Natural History Museum, London
- CMNH-ZG...Coastal Branch of Natural History Museum and Institute, Chiba, Japan
- GK. D (=GKD, GK-D)...Department of Geology, Kyushu University, Fukuoka
- **GKD** (=GK. D, GK-D)...Department of Geology, Kyushu University, Fukuoka
- GMNH-PI...Gunma Museum of Natural History in Tomioka City, Gunma Prefecture
- **IGPS**...Institute of Geology and Paleontology, Faculty of Science, Tohoku University, Sendai
- JP...Department of Geology and Mineralogy, Kyoto University
- KCG...Kesenuma Board of Education (tentatively at Old Tsukitate Junior High School), Kesenuma City, Miyagi Prefecture
- KFM...Kuzu Fossil Museum in Kuzu, Sano City, Tochigi Prefecture
- KMNH IvP...Kitakyushu Museum of Natural History, Yahata, Kitakyushu
- Mg...Megamiyama, Sagara, Shizuoka Prefecture
- MTQ G...Museum of Tropical Queensland
- **NSMT** (=NSMT-Cor R)...National Science Museum, Tokyo
- NSMT-Cor R (=NSMT)...Ditto.
- NU-B...Department of Geology, Faculty of Science, Niigata University, Niigata
- OCM. G. ...Ofunato Museum in Ofunato City, Iwate Prefecture
- Og...Ogamiyama, Sagara, Shizuoka Prefecture
- PB (= UMUT PB)...Geological Institute, Faculty of Science, University of Tokyo
- PIN...Paleontological Institute of the Russian Academy of Sciences, Moscow
- SHM...Saito Ho-on Kai Museum of Natural History, Sendai
- UHR...Department of Geology and Mineralogy, Hokkaido University, Sapporo
- UMUT PB (= PB)...University Museum, University of Tokyo, Tokyo
- USNM...United States National Museum of Natural History, Washington, D. C.
- YPM...Yale Peabody Museum of Natural History, New Haven
- ZMA Coel....Instituut Voor Taxonomische Zoölogie (Zoölogisch Museum), Amsterdam
- ZMB Cni...Museum für Naturkunde der Humboldt-Universität (Zoologisches Museum), Berlin
- ZMH...Zoologisches Museum Hamburg
- ZMS...Strasbourg Zoological Museum

Paleozoic Brachiopoda

Naotomo Kaneko¹ and Jun-ichi Tazawa²

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Japan

² 1-260-1 Hamaura-cho, Chuo-ku, Niigata 951-8151,
Japan

Aegiria sugiyamai Tachibana, 1976

Ann. Rep. Fac. Educ., Iwate Univ., vol. 36, pt. 3, p. 37, pl. 5,
figs. 1-24; pl. 6, figs. 3-6; pl. 7, fig. 3; text-figs. 5-8

Slope of the eastern side of Kusayamazawa, about 1.5 km
west of Choanji, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture

Kawauchi Series

middle-upper Silurian

Alispiriferella japonica Tazawa, 2001

Paleont. Res., vol. 5, no. 4, p. 303, figs. 8.15-8.18

Holotype: NU-B461*

Moribu, Takayama City, Gifu Prefecture

Moribu Formation

middle Permian (Wordian)

[=*Alispiriferella lita* (Fredericks, 1924) by Tazawa and
Hasegawa (2007, p. 11)]

Anidanthus abukumaensis Yanagisawa, 1967

Sci. Rep., Tohoku Univ., 2nd Ser., vol. 39, no. 1, p. 89, pl. 2,
fig. 16

Holotype: IGPS86641*

Takakurayama, Yotsukura-cho, Iwaki City, Fukushima Prefec-
ture

Kashiwadaira Formation (Takakurayama Formation)

upper Permian (Wuchiapingian)

Anidanthus mizukoshiensis Tazawa, 2008b

Paleont. Res., vol. 12, no. 1, p. 47, figs. 7.6-7.8

Holotype: NU-B775*

Mizukoshi, Mifune-cho (Mifune Town), Kumamoto Prefecture

Mizukoshi Formation

upper Permian (Wuchiapingian?)

Anomaloria hiyomoensis Tazawa and Shen, 1997

Sci. Rep., Niigata Univ., Ser. E, no. 12, p. 11, pl. 2, figs. 7-12
Holotype: NU-B92*

Ryomenkutsu, near Hiyomo, Nyukawa-cho, Takayama City,
Gifu Prefecture

basalt-limestone block in the Mino Belt

middle Permian (Guadalupian)

Anoplothea dorsosulcata Okubo, 1956

Japan. Jour. Geol. Geogr., vol. 27, no. 1, p. 40, pl. 3, fig. 6;
text-fig. 1

Middle part of Higuchizawa, Hikoroichi-cho, Ofunato City,
Iwate Prefecture

Nakazato Series

Middle Devonian (Eifelian)

Athyris takozuensis Tachibana, 1981b

Ann. Rep. Fac. Educ., Iwate Univ., vol. 41, no. 1, pt. 3, p. 65,
pl. 3, figs. 8-11; text-fig. 4

Northern part of Higashiyama-cho, Ichinoseki City, Iwate
Prefecture

Tobigamori Formation

Upper Devonian

Atrypa desquamata mut. *japonica* Sugiyama, 1942

Jour. Geol. Soc. Japan, vol. 49, no. 581, p. 74, figs. 1, 1a, 1b

Holotype: IGPS65468*

South-western foot of Mt. Takainariyama, Hikoroichi-cho,
Ofunato City, Iwate Prefecture

Nakazato Series

Middle Devonian (Eifelian)

[=*Atrypa (Planatrypa) japonica* Sugiyama, 1942 by Copper *et*
al. (1982, p. 370)]

Atrypa pauciplicata Okubo, 1956

Japan. Jour. Geol. Geogr., vol. 27, no. 1, p. 39, pl. 3, fig. 5

Middle part of Higuchizawa, Hikoroichi-cho, Ofunato City,
Iwate Prefecture

Nakazato Series

Middle Devonian (Eifelian)

[=*Atrypa (Planatrypa) japonica* Sugiyama, 1942 by Copper *et*
al. (1982, p. 370)]

Atrypa (Planatrypa) japonica Sugiyama, 1942

[See *Atrypa desquamata* mut. *japonica* Sugiyama, 1942;
Atrypa pauciplicata Okubo, 1956]

Atrypina kitakamiensis Tachibana, 1981a

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 34, pl. 9,
figs. 1-3, 6

Kusayamazawa, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture

Kawauchi Series

middle-upper Silurian

Attenuatella bandoi Tazawa, 1987

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 148, p. 281, figs.
3.1-3.11, 4

Holotype: NU-B1*; Paratypes: NU-B2*, 3*, 4*, 5*, 6*, 7*,
8*, 9*, 10*, 11*, 12*, 13*, 14*, 15*, 16*, 17*, 18*, 19*, 20*,
21*, 22*, 23*, 24*, 25*, 26*, 27*, 28*, 29*, 30*, 31*, 32*,
33*, 34*, 35*, 36*, 37*, 38*, 39*, 40*, 41*, 42*, 43*, 44*,
45*, 46*

Eastern coast of Ishihama, Utatsu, Minamisanriku-cho (Mina-
misanriku Town), Miyagi Prefecture

Toyoma Formation
upper Permian (Wuchiapingian)

***Auriculispina kanmerai* Tazawa and Shintani, 2015**

Sci. Rep., Niigata Univ. (Geol.), no. 30, p. 49, figs. 5.1–5.3
Holotype: NU-B1882*; Paratypes: NU-B1883*, 1884*,
1885*, 1886*, 1887*, 1888*, 1889*, 1890*, 1891*, 1892*,
1893*
Nagaiwa–Sakamotozawa area, Hikoroichi-cho, Ofunato City,
Iwate Prefecture
lower Sakamotozawa Formation
lower Permian (Sakmarian)

***Brachythyris nagaoui* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 371,
pl. 1, figs. 2, 10; pl. 3, fig. 2; pl. 4, fig. 4
Holotype: UHR15993*
Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata
City, Iwate Prefecture
Maide Stage
lower Carboniferous

***Brachythyris akiyoshiensis* Yanagida, 1962**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 12, no. 1, p. 93, pl.
14, figs. 8a–8c; pl. 15, figs. 1–3; text-fig. 4
Holotype: GK. D30009*; Paratypes: GK. D30010, 30011,
30012
Yowara, Shuho-cho, Mine City, Yamaguchi Prefecture
Akiyoshi Limestone Group
lower Carboniferous (upper Viséan)

***Brachythyris kitakamiensis* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 368,
pl. 3, fig. 3; pl. 4, fig. 1
Holotype: UHR16465*
Tyoanji (Choanji), Hikoroichi-mura (Hikoroichi-cho), Ofunato
City, Iwate Prefecture
Hikoroichi Series
lower Carboniferous (lower Tournaisian)

***Cancrinella cancriniformis spinosa* Hayasaka and Minato, 1956**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 21, p. 144, pl. 23,
figs. 4a, 4b
Holotype: UHR17848
Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)
[=*Cancrinella spinosa* Hayasaka and Minato, 1956 by the
present study]

***Cancrinella spinosa* Hayasaka and Minato, 1956**

[See *Cancrinella cancriniformis spinosa* Hayasaka and
Minato, 1956]

***Cathayspirina magna* Tazawa, 2009**

Paleont. Res., vol. 13, no. 1, p. 75, figs. 5.12a, 5.12b
Holotype: KMNH IvP 700018*
Hinaga, Omine-cho, Mine City, Yamaguchi Prefecture
Tsunemori Formation
upper Permian (Changhsingian)

***Chondronia hirosheimensis* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 194,
pl. 21, figs. 6–8; text-fig. 17
Holotype: GK-D31665*; Paratypes: GK-D 31616*, 31667*
Joge area, Fuchu City, Hiroshima Prefecture
Kawai Limestone
lower Permian (Sakmarian)

***Chonetes blanfordi* var. *lata* Hayasaka, 1925**

Japan. Jour. Geol. Geogr., vol. 4, nos. 3, 4, p. 92, pl. 5, figs. 3,
4
Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
Lyttonia Horizon (lower Kanokura Formation)
middle Permian (Wordian)

***Chonetina matsushitai* Shimizu, 1961a**

Mem. Coll. Sci. Univ. Kyoto, Ser. B, vol. 27, no. 3, p. 319, pl.
16, figs. 1–6
Syntypes: JP30042*, 30043*, 30044*, 30045*, 30046*,
30047*, 30048*, 30049*, 30050*, 30051*, 30052*, 30053,
30054
Nomaru, Okuyama, Oe-cho, Fukuchiyama City and Miya-
nooku, Nishisaka, Monobe-cho, Ayabe City, Kyoto Prefecture
Maizuru Group
upper Permian (Changhsingian)

***Chonetinella iwakiensis* Tazawa, 2008a**

Sci. Rep., Niigata Univ. (Geol.), no. 23, p. 20, figs. 3.8–3.14
Holotype: NU-B1143*
Takakurayama area, Iwaki City, Fukushima Prefecture
Takakurayama Formation
upper Permian (Wuchiapingian)

***Chonetinella transversa* Tazawa, 2008a**

Sci. Rep., Niigata Univ. (Geol.), no. 23, p. 21, figs. 3.15–3.17
Holotype: NU-B1152*
Takakurayama area, Iwaki City, Fukushima Prefecture
Takakurayama Formation
upper Permian (Wuchiapingian)

***Chonetinetes elongatus* Afanasjeva, Tazawa and Shintani, 2015**

Paleontologicheskij Zhurnal, 2015, no. 1, p. 24, pl. 4, figs.
1–3
Holotype: NU-B1834*
Chayazawa, tributary of Yassegawa, Hosoo, Kesenuma City,
Miyagi Prefecture

lower Kanokura Formation
middle Permian (Wordian)

***Cleiothyridina hayasakai* Tazawa in Tazawa et al., 2010**
Sci. Rep., Niigata Univ. (Geol.), no. 25, p. 43, figs. 3.4–3.6
Holotype: KFM1169A*
Yamasuge in the Kuzu area, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Composita jogensis* Yanagida and Nishikawa, 1984**
Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 175,
pl. 18, figs. 1, 2; text-fig. 6
Holotype: GK-D31608*; Paratypes: GK-D31611, 31700*
Joge area, Fuchu City, Hiroshima Prefecture
Kawai Limestone
lower Permian (Sakmarian)

***Cooperina nipponica* Tazawa, Miyake and Okumura, 2013**
Paleont. Res., vol. 17, no. 4, p. 336, figs. 2.3–2.7.
Holotype: KFM1856*
Yamasuge in the Kuzu area, Sano City, Tochigi Prefecture
lower part of the Nabeyama Formation
lower Permian (Kungurian)

***Crenispirifer nakamurai* Tazawa and Shintani, 2014**
Sci. Rep., Niigata Univ. (Geol.), no. 29, p. 36, figs. 6.11, 6.12
Holotype: NU-B1519*; Paratypes: NU-B1520*, 1521*
Hosoo, Kamiyasse, Kesennuma City, Miyagi Prefecture
lower Nakadaira Formation
lower Permian (Sakmarian)

***Cyrolexis nonakai* Yanagida, 1973a**
Sci. Rep., Tohoku Univ., 2nd Ser., Spec. vol., no. 6 (Hatai
Mem. Vol.), p. 360, pl. 40, fig. 5
Holotype: GKD30295*
Ichinose, Sakawa-cho (Sakawa Town), Kochi Prefecture
Yamamba Limestone
middle Permian (Guadalupian)

***Cyrtospirifer tobigamoriensis* Noda and Tachibana, 1959**
Sci. Bull., Fac. Lib. Arts and Educ., Nagasaki Univ., no. 10, p.
18, pl. 1, figs. 8, 9
Natsuyama, Nagasaka district, Higashiyama-cho, Ichinoseki
City, Iwate Prefecture
Upper Devonian

***Cyrtospirifer tobigamoriensis* var. *exsulcus* Noda and
Tachibana, 1959**
Sci. Bull., Fac. Lib. Arts and Educ., Nagasaki Univ., no. 10, p.
19, pl. 1, figs. 12–15
Natsuyama, Nagasaka district, Higashiyama-cho, Ichinoseki
City, Iwate Prefecture
Upper Devonian

***Cyrtospirifer yabei* Noda and Tachibana, 1959**
Sci. Bull., Fac. Lib. Arts and Educ., Nagasaki Univ., no. 10, p.
17, pl. 1, figs. 1–7, 10
Natsuyama, Nagasaka district, Higashiyama-cho, Ichinoseki
City, Iwate Prefecture
Upper Devonian

***Dasysaria japonica* Tazawa in Tazawa et al., 2012**
Bull. Gunma Mus. Nat. Hist., no. 16, p. 43, figs. 2.2, 2.3
Holotype: GMHN-PI-3537*; Paratypes: GMHN-PI-3538*,
3539*
Iwakayasawa Valley, north of Jarubuchi, Kiryu City, Gunma
Prefecture
Kurohone-Kiryu Complex
lower Permian (Artinskian–Kungurian)

***Daviesiella omiensis* Tazawa in Tazawa et al., 2005**
Sci. Rep., Niigata Univ. (Geol.), no. 20, p. 9, figs. 4A–4C
Holotype: FMM1341*
Southern cliff of Mt. Myojosan, middle stream of the
Kotakigawa River, Kotaki in the Omi area, Itoigawa City,
Niigata Prefecture
Omi Limestone
lower Carboniferous (upper Visean)

***Delepinea sayamensis* Yanagida, 1968**
Trans. Proc. Palaeont. Soc. Japan, N. S., no. 72, p. 330, pl. 33,
figs. 1, 2; pl. 34, fig. 1; text-figs. 3–5
Holotype: GK-D30209*; Paratypes: GK-D30200, 30201,
30202
Sayama area, northern margin of the Akiyoshi Limestone Pla-
teau (Mito-cho, Mine City, Yamaguchi Prefecture)
Akiyoshi Limestone Group
lower Carboniferous (upper Visean)

***Delepinea sinuata* Yanagida, 1968**
Trans. Proc. Palaeont. Soc. Japan, N. S., no. 72, p. 333, pl. 34,
figs. 2, 3; text-figs. 6–8
Holotype: GK-D30204*; Paratypes: GK-D30205, 30206*
Sayama area, northern margin of the Akiyoshi Limestone Pla-
teau (Mito-cho, Mine City, Yamaguchi Prefecture)
Akiyoshi Limestone Group
lower Carboniferous (upper Visean)

***Derbyia depressa* var. *transversa* Minato, 1952**
Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 153,
pl. 8, fig. 1
Holotype: UHR16271*
Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata
City, Iwate Prefecture
Jumonji Stage
lower Carboniferous
[=*Derbyia transversa* Minato, 1952 by the present study]

***Derbyia nipponica* Nakamura, 1972a**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 399, pl. 7, figs. 1, 4–9

Syntypes: UHR11468, 12470, 13675, 16037, 17035, 19534, 19535

Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Derbyia sakamotozawensis* Shintani, 2011**

Sci. Rep., Niigata Univ. (Geol.), no. 26, p. 86, figs. 7.1a–7.4

Holotype: NU-B1273*; Paratypes: NU-B1274*, 1275*, 1276*, 1277*, 1278*, 1279*

Nagaiwa–Sakamotozawa area, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Sakamotozawa Formation
lower Permian (Sakmarian)

***Derbyia transversa* Minato, 1952**

[See *Derbyia depressa* var. *transversa* Minato, 1952]

***Derbyia yukisawensis* Tazawa and Shintani, 2014**

Sci. Rep., Niigata Univ. (Geol.), no. 29, p. 22, figs. 3.7, 4.3

Holotype: NU-B1543*; Paratypes: NU-B1544*, 1545*, 1546*

Hosoo, Kamiyasse, Kesenuma City, Miyagi Prefecture
lower Nakadaira Formation
lower Permian (Sakmarian)

***Dictyoclostus grabau* Nakamura, 1960**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 10, no. 3, p. 509, pl. 5, figs. 1, 2

Syntypes: UHR12379, 12600

Nakadaira, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Sakamotozawa Series
lower Permian (Kungurian)

[=*Kunlunia grabau* (Nakamura, 1960) by Tazawa and Nakamura, 2015]

***Dictyoclostus taiyuanfuensis* var. *loczyi* Nakamura, 1960**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 10, no. 3, p. 503, pl. 4, figs. 2, 3

Syntypes: UHR12378, 12599, 13074

Nakadaira, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Sakamotozawa Series
lower Permian (Kungurian)

[=*Chaoiella taiyuanfuensis* (Chao, 1927) by Tazawa and Nakamura, 2015]

***Echinaria minatoi* Tazawa, 1981**

Saito Ho-on Kai Mus. Nat. Hist., Res. Bull., no. 49, p. 54, pl. 4, figs. 3–11

Holotype: IGPS97424*

Midstream of the Kodakisawa, a tributary of the Onimaru-

sawa, Hikoroichi-cho, Ofunato City, Iwate Prefecture
lowest part of the Nagaiwa Formation
lower Carboniferous (upper Visean or Serpukhovian)

Endospirifer Tachibana, 1981a

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 36

***Endospirifer nipponicus* Tachibana, 1981a**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 36, pl. 1, figs. 1–6; pl. 2, figs. 1–7; pl. 3, figs. 1–7; pl. 4, figs. 1–3; pl. 5, figs. 1–5; pl. 6, figs. 1, 3–6, 8–11; pl. 7, figs. 1–9

Kusayamizawa, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Kawauchi Series
middle–upper Silurian

***Endospirifer nipponicus* var. *rikuzenensis* Tachibana, 1981a**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 38, pl. 6, figs. 2, 7; pl. 7, fig. 1

Kusayamizawa, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Kawauchi Series
middle–upper Silurian

***Enteleles acutiplicatus* Hayasaka, 1932b**

Jour. Geol. Soc. Japan, vol. 39, no. 468, p. 551, pl. 5, fig. 2

Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Enteleles akasakensis* Ozawa, 1927**

Jour. Fac. Sci., Imp. Univ. Tokyo, Sec. 2, vol. 2, pt. 3, p. 129, fig. 3

Akasaka, Ogaki City, Gifu Prefecture
“Kasumi” limestone, lower part of the Akasaka Limestone
lower Permian (Kungurian)

[=*Peltichia akasakensis* (Ozawa, 1927) by Shen *et al.* (1999, p. 53)]

***Enteleles minoensis* Hayasaka, 1932a**

Mem. Fac. Sci. Agric., Taihoku Imp. Univ., vol. 4, nos. 2, 3, p. 3, pl. 2, figs. 1–3

Kinsyozan, Akasaka, Ogaki City, Gifu Prefecture
Kasumi-zone (Akasaka Limestone)
lower Permian (Kungurian)

[=*Peltichia akasakensis* (Ozawa, 1927) by Shen *et al.* (1999, p. 53)]

***Eolyttonia kiryuensis* Tazawa and Takakuwa, 2009**

Bull. Gunma Mus. Nat. Hist., no. 13, p. 31, figs. 2B, 3.3–3.5
Holotype: GMNH-PI-1256*

Upper stream of the Iwakayasawa, north of Jarubuchi, Kiryu City, Gunma Prefecture
Sandstone block in the Ashio Belt

lower Permian (Artinskian)

***Eolyttonia nakazawai* Shimizu, 1961a**

Mem. Coll. Sci. Univ. Kyoto, Ser. B, vol. 27, no. 3, p. 330, pl. 15, fig. 22

Holotype: JP30100*

Miyaodani, Takauchi, Yakuno-cho, Fukuchiyama City, Kyoto Prefecture

Maizuru Group

upper Permian (Changhsingian)

***Eospirifer variplicatus* Ohno, 1977**

Mem. Fac. Sci. Kyoto Univ., Ser. B, vol. 44, no. 1, p. 106, pl. 9, figs. 5–9; pl. 10, figs. 1–8

Holotype: JP31089

Back of Hida Shizenkan and Ichinotani, Fukuji, Takayama City, Gifu Prefecture

Fukuji Formation

Lower Devonian

***Fallaxopproductus moribuensis* Tazawa, 2001**

Paleont. Res., vol. 5, no. 4, p. 295, figs. 7.12a, 7.12b

Holotype: NU-B398*

Moribu, Takayama City, Gifu Prefecture

Moribu Formation

middle Permian (Wordian)

***Fusella minor* Minato, 1952**

[See *Fusella nipponotrigonalis* var. *minor* Minato, 1952]

***Fusella nipponotrigonalis* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 372, pl. 2, fig. 5

Holotype: UHR16018; Paratypes: UHR16016, 16017, 16019, 16054

Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata City and Nasirosawa, Jumonji, Simoarisu-mura (Shimoarisu), Sumita-cho (Sumita Town), Iwate Prefecture

Jumonji Stage

lower Carboniferous

***Fusella nipponotrigonalis* var. *minor* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 160, pl. 6, fig. 3

Holotype: UHR16227*

Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata City, Iwate Prefecture

Jumonji Stage to Maide Stage ?

lower Carboniferous

[=*Fusella minor* Minato, 1952 by the present study]

Gemmellaroia (Gemmellaroella) Mabuti, 1937

Proc. Imp. Acad. Tokyo, vol. 13, p. 16

[=*Gemmellaroia* by Muir-Wood and Williams (1965, p. 463)]

***Gemmellaroia (Gemmellaroella) ozawai* Mabuti, 1937**

Proc. Imp. Acad. Tokyo, vol. 13, no. 1, p. 16, figs. 1–11

Holotype: IGPS58697

Yoshinori, Omine-mura (Omine-cho), Mine City, Yamaguchi Prefecture

Sumatrana annae Zone

middle Permian (Guadalupian)

[=*Gemmellaroia ozawai* Mabuti, 1937 by Muir-Wood and Williams (1965, p. 463)]

***Gemmellaroia ozawai* Mabuti, 1937**

[See *Gemmellaroia (Gemmellaroella) ozawai* Mabuti, 1937]

***Geyerella arakii* Hayasaka, 1963**

Proc. Japan Acad., vol. 39, no. 7, p. 481, figs. 2a, b; 3a–3c

Anabuchi, Omote-Matsukawa (Omotematsukawa), Kesenuma City, Miyagi Prefecture

lower Kanokura Series

middle Permian (Wordian)

[=*Licharewina arakii* (Hayasaka, 1963) by Tazawa and Araki (2013, p. 9)]

***Geyerella koizumii* Hayasaka, 1966**

Proc. Japan Acad., vol. 42, no. 10, p. 1223, figs. 1a–1c; 2a, b; 3

Ishikamuri, Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture

lower Kanokura Series

middle Permian (Wordian)

[=*Licharewina koizumii* (Hayasaka, 1966) by the present study]

***Geyerella ofunatoensis* Tazawa in Tazawa and Miyake, 2011**

Sci. Rep., Niigata Univ. (Geol.), no. 26, p. 10, figs. 5.1a–5.6

Holotype: NU-B1487*; Paratypes: NU-B1486*, 1488*, 1489*, 1490*, 1491*, 1492*, 1493*

Maeda, Ikawa-cho, Ofunato City, Iwate Prefecture

Toyoma Formation

upper Permian (Changhsingian)

***Globiella kamiyassensis* Tazawa, 2016**

Paleont. Res., vol. 20, no. 2, p. 84, fig. 5

Holotype: NU-B1978*; Paratypes: NU-B1979*, 1980*, 1981*, 1982*, 1983*, 1984*, 1985*, 1986*, 1987*, 1988*, 1989*, 1990*, 1991*, 1992*, 1993*, 1994*, 1995*, 1996*

Shigejisawa in the Kamiyasse–Imo area, South Kitakami Belt (Miyagi Prefecture)

lower Kamiyasse Formation

middle Permian (Wordian)

***Globispirifer* Tachibana, 1964**

Bull. Fac. Lib. Arts, Nagasaki Univ., vol. 4, p. 37, 41

[See *Spirifer (Martiniopsis?) nagasakensis* (Tachibana, 1956,

p. 13) as type species]

***Globispirifer nagasakensis* (Tachibana, 1956)**

[See *Spirifer* (*Martiniopsis*?) *nagasakaensis* Tachibana, 1956; Chen and Tazawa (2007, p. 38)]

***Gypospirifer kobyamai* Tazawa and Araki, 2013**

Sci. Rep., Niigata Univ. (Geol.), no. 28, p. 7, figs. 2.3, 2.4
Holotype: KCG001*; Paratype: KCG002*
Shigejisawa, Kamiyasse, Kesenuma City, Miyagi Prefecture
lower Kanokura Formation
middle Permian (Wordian)

Hamletella Hayasaka, 1953

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 12, p. 92
[=*Orthothesina* by Muir-Wood and Williams (1965, p. 406)]

***Hamletella kitakamiensis* Hayasaka, 1953**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 12, p. 93, pl. 9, figs. 1, 2
Department of Geology and Mineralogy, Faculty of Science, Hokkaido University, Sapporo, Japan
At the height of 460 m above sea level in the valley of Budozawa, a tributary of Katchizawa (Kacchizawa), Setamai, Sumita Town, Iwate Prefecture
Katchizawa (Kacchizawa) Stage of the Kanokura Series
middle Permian (Wordian)
[=*Orthothesina kitakamiensis* (Hayasaka, 1953) by Muir-Wood and Williams (1965, p. 406)]

***Hustedia minuta* Tazawa in Tazawa and Miyake, 2011**

Sci. Rep., Niigata Univ. (Geol.), no. 26, p. 15, figs. 2.5, 2.6
Holotype: NU-B1472*; Paratypes: NU-B1473*, 1474*
Maeda, Ikawa-cho, Ofunato City, Iwate Prefecture
Toyoma Formation
upper Permian (Changhsingian)

***Isogramma heritschi* Nakamura, 1970**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 14, no. 3, p. 308, pl. 4, figs. 3–7
Holotype: UHR 19045*; Paratypes: UHR 19043, 19044, 19046, 19047
Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Isogramma nakamurai* Tazawa, 2016**

Paleont. Res., vol. 20, no. 2, p. 82, figs. 3, 4
Holotype: UHR19040; Paratypes: UHR19041, 19042, NU-B1657
Imosawa in the Kamiyasse–Imo area, South Kitakami Belt (Iwate Prefecture)
lower Kamiyasse Formation
middle Permian (Wordian)

***Isorthis* (*Isorthis*) *fukujiensis* Ohno, 1977**

Mem. Fac. Sci. Kyoto Univ., Ser. B, vol. 44, no. 1, p. 88, pl. 1, figs. 1–7; pl. 2, figs. 1–3, 5–9, 11–14
Holotype: JP31006*
Back of Hida Shizenkan and Ichinotani, Fukuji, Takayama City, Gifu Prefecture
Fukuji Formation
Lower Devonian

***Iwaispirifer* Tachibana, 1964**

Bull. Fac. Lib. Arts, Nagasaki Univ., vol. 4, p. 39, 42

***Iwaispirifer striatolamellosus* Tachibana, 1964**

Bull. Fac. Lib. Arts, Nagasaki Univ., vol. 4, p. 39, 42, figs. 4a–4c
Vicinity of Minamiiwairi, Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Tobigamori Formation
Upper Devonian

Kanokurachonetes Afanasjeva and Tazawa, 2010

Paleontologicheskij Zhurnal, 2010, no. 1, p. 18
[Type species: *Kanokurachonetes kanokurensis* Afanasjeva and Tazawa, 2010]

***Kanokurachonetes kanokurensis* Afanasjeva and Tazawa, 2010**

Paleontologicheskij Zhurnal, 2010, no. 1, p. 19, pl. 2, figs. 1–10
Holotype: PIN, No. 5313/1*
Doyasawa, Kamiyasse, Kesenuma City, Miyagi Prefecture
Kanokura Formation
middle Permian (Wordian)

***Karavankina jizodoensis* Tazawa, 1980**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 119, p. 362, pl. 41, figs. 8–16; pl. 42, fig. 14; text-fig. 2
Holotype: IGPS96258*; Paratypes: IGPS96259*, 96260*, 96261*, 96262*, 96263*, 96264*, 96265*, 96266*, 96267*, 96268*, 96269*, 96270*, 96271*, 96272*, 96273*, 96274*, 96275*
Nagasaka area, Jizodo, Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Karaumedate Formation
lower Carboniferous (upper Visean)

***Kitakamichonetes* Afanasjeva and Tazawa, 2007**

Paleontologicheskij Zhurnal, 2007, no. 4, p. 73
[Type species: *Kitakamichonetes multicapillatus* Afanasjeva and Tazawa, 2007]

***Kitakamichonetes multicapillatus* Afanasjeva and Tazawa, 2007**

Paleontologicheskij Zhurnal, 2007, no. 4, p. 73, pl. 11, figs.

1–12

Holotype: PIN, No. 5138/1*

Shigejisawa, Kamiyasse, Kesenuma City, Miyagi Prefecture
Kanokura Formation
middle Permian (Wordian)***Kitakamithyris* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 170

Kitakamithyris hikoroitiensis* (Minato, 1951)**[See *Torynifer* (*Kitakamithyris*) *hikoroitiensis* Minato, 1951]Kitakamithyris semicircularis* Minato, 1952**Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 171,
pl. 7, fig. 6; pl. 8, fig. 5; pl. 10, fig. 3
Syntypes: UHR16222*, 16224*, 16225*, 16231, 16769,
17284Hikoroiti (Hikoroichi) Series: Tyoanji (Choanji), Hikoroiti-
mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture;
Higutisawa (Higuchisawa), Hikoroiti-mura (Hikoroichi-cho),
Ofunato City, Iwate Prefecture; Ohmori (Omori), Hikoroiti-
mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture /
Jumonji Stage: Kozubo (Otsubo), Yokota-mura (Yokota-cho),
Rikuzentakata City, Iwate Prefecture; Miyojinsawa (Miyojin-
sawa), Yokota-mura (Yokota-cho), Rikuzentakata City, Iwate
Prefecture

Hikoroichi Series and Jumonji Stage

lower Carboniferous

Kitakamithyris tyoanjiensis* (Minato, 1951)**[See *Torynifer* (*Kitakamithyris*) *tyoanjiensis* Minato, 1951]Kochiproductus okutadamiensis* Tazawa, 2011**

Paleont. Res., vol. 15, no. 3, p. 173, figs. 4.12a–4.14

Holotype: NU-B1432*; Paratypes: NU-B1433*, 1434*,
1435*, 1436*, 1437*, 1438*, 1439*, 1440*Shiratakizawa Valley, Hinoemata Village, Fukushima Prefec-
ture

Otori Formation

upper Permian (Wuchiapingian)

Lamnimargus japonicus* (Tazawa, 1975)**[See *Paramarginifera japonica* Tazawa, 1975]Lepidospirifer miyakei* Tazawa and Shen, 1997**

Sci. Rep., Niigata Univ., Ser. E, no. 12, p. 10, pl. 2, figs. 2–6

Holotype: NU-B85*; Paratypes: NU-B86*, 87*, 88*, 89*,
90*, 91*Ryomenkutsu, near Hiyomo, Nyukawa-cho, Takayama City,
Gifu Prefecture

basalt-limestone block in the Mino Belt

middle Permian (Guadalupian)

***Leptaena rhomboidalis* var. *yokokuraensis* Noda, 1964**Rep. Earth Sci., Dep. Gen. Educ., Kyushu Univ., no. 11, p. 15,
pl. 7, figs. 1–4Yokokurayama, Ochi-cho (Ochi Town), Kochi Prefecture
Kusugami Series
middle Silurian***Leptostrophia japonica* Ohno, 1977**Mem. Fac. Sci. Kyoto Univ., Ser. B, vol. 44, no. 1, p. 96, pl.
4, figs. 4–10; pl. 5, figs. 1–5

Holotype: JP31035*

Back of Hida Shizenkan, Fukuji, Takayama City, Gifu Prefec-
ture

Fukuji Formation

Lower Devonian

Licharewina arakii* (Hayasaka, 1963)**[See *Geyerella arakii* Hayasaka, 1963]Licharewina koizumii* (Hayasaka, 1966)**[See *Geyerella koizumii* Hayasaka, 1966]***Lingula kumensis* Hamada, 1962**Sci. Pap., Coll. Gen. Educ., Univ. Tokyo, vol. 12, no. 2, p.
251, pl. 1, figs. 1–6; pl. 2, figs. 1–3; text-fig. 3Holotype: PB 7329a (mold) and PB7329b (cast); Paratypes:
PB7330, 7331, 7332, 7333, 7334, 7335, 7336

Fukami, Yatsushiro City, Kumamoto Prefecture

G₂ Stage

middle Silurian

***Linoproductus ashioensis* Tazawa in Tazawa *et al.*, 2012**

Bull. Gunma Mus. Natu. Hist., no. 16, p. 45, figs. 3.1–3.7

Holotype: GMHN-PI-3504*; Paratypes: GMHN-PI-3505*,
3506*, 3507*, 3508*, 3509*, 3510*, 3511*, 3512*, 3513*,
3514*, 3515*, 3516*, 3517*, 3518*, 3519*, 3520*, 3521*,
3522*, 3523*, 3524*, 3525*Iwakayasawa Valley, north of Jarubuchi, Kiryu City, Gunma
Prefecture

Kurohone-Kiryu Complex

lower Permian (Artinskian–Kungurian)

***Linoproductus hayasakai* Tazawa, 1979**Saito Ho-on Kai Mus. Nat. Hist., Res. Bull., no. 47, p. 26, pl.
4, figs. 5–11Holotype: IGPS96239*; Paratypes: IGPS96240*, 96241*,
96242*, 96243*, 96244*, 96245*, 96246*, 96247*, 96248*,
96249*

Matsukawa, Kesenuma City, Miyagi Prefecture

Kanokura Formation

middle Permian (Wordian)

***Linoprotonia hikoroichiensis* Tazawa and Ibaraki, 2009**

Sci. Rep., Niigata Univ. (Geol.), no. 24, p. 11, figs. 5.1a–5.5b

- Holotype: NU-B603*; Paratypes: NU-B604*, 605*, 606*, 607*, 608*, 609*, 610*, 611*, 612*, 613*, 614*, 615*, 616*, 617*, 618*, 619*, 620*
Onimaru quarry, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Hikoroichi Formation
lower Carboniferous (lower Viséan)
- Malloproductus Tachibana, 1981b***
Ann. Rep. Fac. Educ., Iwate Univ., vol. 41, no. 1, pt. 3, p. 62
[See *Nodella* Tachibana, 1964]
- Malloproductus pexus (Tachibana, 1981b)***
Ann. Rep. Fac. Educ., Iwate Univ., vol. 41, no. 1, pt. 3, p. 63, pl. 1, figs. 1–11; text-figs. 2, 3
Northern part of Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Tobigamori Formation
Upper Devonian
[See *Nodella pexa* Tachibana, 1964]
- Malurostrophia sugiyamai Chen and Tazawa, 2003***
Jour. Paleont., vol. 77, no. 6, p. 1044, figs. 3.11, 3.17
Holotype: NU-B211*
Kuronborasawa, Hikoroichi, Ofunato City, Iwate Prefecture
Nakazato Formation
Middle Devonian (Eifelian)
- Maoristrophia subquadrata Chen and Tazawa, 2003***
Jour. Paleont., vol. 77, no. 6, p. 1044, figs. 3.13–3.16
Holotype: NU-B215*
Kuronborasawa, Hikoroichi, Ofunato City, Iwate Prefecture
Nakazato Formation
Middle Devonian (Eifelian)
- Marginatia toriyamai Yanagida, 1973b***
Bull. Akiyoshi-dai Sci. Mus., no. 9, p. 41, pl. 1, figs. 1–5; pl. 2, figs. 1–9
Holotype: GK-D31255*; Paratypes: GK-D31260, 31316, 31335
Maki area, about 500 m NE of the Uzura quarry (Shuho-cho, Mine City, Yamaguchi Prefecture)
Akiyoshi Limestone Group
lower Carboniferous (upper Tournaisian)
- Martinia linguiferoidea Hayasaka, 1924***
Sci. Rep., Tohoku Imp. Univ., 2nd Ser., vol. 8, no. 1, p. 50, pl. 7, figs. 1–3
Omi-mura (Itoigawa City), Niigata Prefecture
Fusulina-Limestone (Omi Limestone)
upper Carboniferous
- Martinia nipponica Yanagida and Nishikawa, 1984***
Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 178, pl. 18, figs. 3, 4; text-fig. 8
Holotype: GK-D31619*; Paratype: GK-D31662*
Joge area, Fuchu City, Hiroshima Prefecture
Kawai Limestone
lower Permian (Asselian)
- Meekella gigantea Hayasaka, 1932b***
Jour. Geol. Soc. Japan, vol. 39, no. 468, p. 551, pl. 5, fig. 1
Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)
- Meekella minatoi Nakamura, 1972a***
Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 389, pl. 6, figs. 1, 2
Holotype: UHR12579; Paratype: UHR13673
Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)
- Meekella nagaiwensis Shintani, 2011***
Sci. Rep., Niigata Univ. (Geol.), no. 26, p. 79, figs. 3.4a–3.5, 4.1a–4.3
Holotype: NU-B1216*; Paratypes: NU-B1217*, 1218*, 1219*, 1220*
Nagaiwa–Sakamotozawa area, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Sakamotozawa Formation
lower Permian (Sakmarian)
- Meekella nodosa Nakamura, 1972a***
Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 388, pl. 6, figs. 3, 4
Holotype: UHR12578; Paratype: UHR13674
Kamiyasse, Kesenuma City, Miyagi Prefecture
lower Kanokura Series
middle Permian (Wordian)
- Megousia koizumii Nakamura, 1972b***
Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 438, pl. 2, figs. 1, 4, 5
Holotype: UHR19527*; Paratypes: UHR19528, 19529
Takakurayama, Iwaki City, Fukushima Prefecture
Kashiwadaira Formation (Takakurayama Formation)
upper Permian (Wuchiapingian)
- Megousia nakamurai Tazawa, 1975***
Jour. Geol. Soc. Japan, vol. 81, no. 10, p. 635, pl. 3, 5a–5d, 6a, 6b
Holotype: UHR19873*; Paratypes: UHR19809*, 19885*, 30100*, 30101*, 30102*, 30103*
Mt. Nabekoshi, Shishiori, Kesenuma City, Miyagi Prefecture
upper Toyoma Series
upper Permian (Changhsingian)

***Metriolepis kuzuensis* Tazawa in Tazawa *et al.*, 2012**

Sci. Rep., Niigata Univ. (Geol.), no. 27, p. 67, figs. 4.13–4.14
 Holotype: KFM1728*; Paratypes: KFM1729*, 1730*, 1731*,
 1732*, 1733*, 1734*, 1735*, 1736*, 1737*, 1738*, 1739*,
 1740*, 1741*, 1742*, 1743*, 1744*, 1745*, 1746*, 1747*,
 1748*, 1749*, 1750*, 1751*, 1752*, 1753*, 1754*, 1755*,
 1756*, 1757*, 1758*, 1759*, 1760*, 1761*
 Yamasuge in the Kuzu area, Sano City, Tochigi Prefecture
 Nabeyama Formation
 lower Permian (Kungurian)

***Nebenothis hasegawai* Minato and Kato, 1963**

Earth Sci. (Chikyu Kagaku), no. 66, p. 38, pl. 1, figs. 1a–1e;
 pl. 2, figs. 6a–6c
 Holotype: UHR18139*
 Near Ohkubo in the Akiyoshi Province, Mine City, Yamaguchi
 Prefecture
 reddish tuffaceous shale, basal part of the Akiyoshi Limestone
 lower Carboniferous (Serpukhovian)

***Neophricodothyris kawaiensis* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 183,
 pl. 19, figs. 3, 4; text-figs. 11, 12
 Holotype: GK-D31620; Paratype: GK-D31634*
 Joge area, Fuchu City, Hiroshima Prefecture
 Kawai Limestone
 lower Permian (Sakmarian)
 [= *Phricodothyris kawaiensis* (Yanagida and Nishikawa, 1984)
 by Carter and Gourvenec, 2006, p. 1866]

***Neorichthofenia* Shen, He and Zhu, 1992**

The Symposium on Stratigraphy and Palaeontology of Oil and
 Gas Bearing Areas in China (3), p. 180, 193.
 [See *Richthofenia mabutii* Tazawa and Araki, 1984b, p. 3 as
 type species]

***Neorichthofenia mabutii* (Tazawa and Araki, 1984b)**

[See *Richthofenia mabutii* Tazawa and Araki, 1984b; Shen *et al.* (1992, p. 180)]

***Neoschizophoria* Yanagida, 1983**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 1, p. 103

***Neoschizophoria otai* Yanagida, 1983**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 1, p. 107,
 pl. 14, figs. 1–5; pl. 15, figs. 1–6; text-figs. 2–8
 Holotype: GK-D31716*; Paratypes: GK-D31717, 31718,
 31719, 31720
 Sumitomo quarry, Shuho-cho, Mine City; Shoboji and
 Maruyama quarry, Isa-cho, Mine City, Yamaguchi Prefecture
 Akiyoshi Limestone Group
 lower–upper Carboniferous

***Nipponirhynchia* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D (Geol.), vol. 25, no. 2,
 p. 163

***Nipponirhynchia kamiyassensis* Tazawa and Shintani, 2014**

Sci. Rep., Niigata Univ. (Geol.), no. 29, p. 27, fig. 4.6
 Holotype: NU-B1509*

Hosoo, Kamiyasse, Kesenuma City, Miyagi Prefecture
 lower Nakadaira Formation
 lower Permian (Sakmarian)

***Nipponirhynchia shutoi* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 163,
 pl. 16, figs. 1–4; text-fig. 3
 Holotype: GK-D31600*; Paratypes: GK-D31642*, 31646*,
 31655*
 Joge area, Fuchu City, Hiroshima Prefecture
 Kawai Limestone
 lower Permian (Sakmarian)

***Nodaea* Tachibana, 1981b**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 41, no. 1, pt. 3, p. 67

***Nodaea okuboi* Tachibana, 1981b**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 41, no. 1, pt. 3, p. 68,
 pl. 3, figs. 1–7
 Northern part of Higashiyama-cho, Ichinoseki City, Iwate
 Prefecture
 Karaumedate Formation
 lower Carboniferous (Tournaisian)

***Nodella* Tachibana, 1964**

Bull. Fac. Lib. Arts, Nagasaki Univ., vol. 4, p. 37, 42
 [= *Malloproductus* Tachibana, 1981b]

***Nodella pexa* Tachibana, 1964**

Bull. Fac. Lib. Arts, Nagasaki Univ., vol. 4, p. 37, 42
 Vicinity of Minamiwairi, Higashiyama-cho, Ichinoseki City,
 Iwate Prefecture
 Karaumedate Formation
 lower Carboniferous (Tournaisian)
 [= *Malloproductus pexus* (Tachibana, 1981b)]

***Oldhamina kitakamiensis* Tazawa, 1982**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 128, p. 448, pl.
 69, figs. 1–6; text-fig. 2
 Holotype: IGPS97715*
 Lower stream of Komasunaizawa Valley, Kanayashiki,
 Yahagi-cho, Rikuzentakata City, Iwate Prefecture
 Toyoma Formation
 upper Permian (Changhsingian)

***Orthothis elongata* Nakamura, 1972a**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p.

379, pl. 1, figs. 3–6; pl. 2, fig. 1

Holotype: UHR13567*; Paratypes: UHR13689*, 13690*, 13691*, 13692*

Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Orthothenia eusarkos* subsp. *lata* Hayasaka, 1933**

Mem. Fac. Sci. Agric., Taihoku Imp. Univ., vol. 6, no. 2, p. 33, pl. 13; text-fig. 6

Kadosawa, Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Orthothenia hayasakai* Nakamura, 1972a**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 376, pl. 1, figs. 1, 2

Holotype: UHR13572; Paratype: UHR13694

Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Orthothenia planoconvexa* Hayasaka, 1933**

Mem. Fac. Sci. Agric., Taihoku Imp. Univ., vol. 6, no. 2, p. 32, pl. 7, fig. 2; text-fig. 5

Kadosawa, Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Orthothenia transversa* Nakamura, 1972a**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 15, nos. 3, 4, p. 382, pl. 3, figs. 1–3

Holotype: UHR13573; Paratypes: UHR13662, 19532

Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Orthothrix sudoi* Tazawa, 2012**

Sci. Rep., Niigata Univ. (Geol.), no. 27, p. 27, figs. 4.16–4.19

Holotype: NU-B1645*; Paratypes: NU-B1646*, 1647*, 1648*, 1649*, 1650*, 1651*, 1652*, 1653*, UHR30105

Nabekoshiyama, Kesenuma City, Miyagi Prefecture
Toyoma Formation
upper Permian (Changhsingian)

***Orthotichia japonica* Hayasaka, 1932b**

Jour. Geol. Soc. Japan, vol. 39, no. 468, p. 551, pl. 5, fig. 3

Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Orthotichia japonica* subsp. *striata* Hayasaka, 1933**

Mem. Fac. Sci. Agric., Taihoku Imp. Univ., vol. 6, no. 2, p. 22, pl. 7, fig. 1

Kadosawa, Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Parachoristites nagaiwensis* Tazawa, 2010**

Sci. Rep., Niigata Univ. (Geol.), no. 25, p. 9, figs. 5A–5G, 6
Holotype: NU-B1203*; Paratypes: NU-B1204*, 1205*, 1206*, 1207*, 1208*, 1209*, 1210*

Nagaiwa area, Hikoroichi-cho, Ofunato City, Iwate Prefecture
Nagaiwa Formation
upper Carboniferous (Moscovian)

***Paralyttonia kesenumensis* Tazawa and Araki, 1984a**

Jour. Geol. Soc. Japan, vol. 90, no. 2, p. 122, fig. 2

Holotype: IGPS98391*; Paratypes: IGPS98392*, 98393*, 98394*

Takayashiki, Kesenuma City, Miyagi Prefecture
Kanokura Formation
middle Permian (Wordian)

***Paramarginifera japonica* Tazawa, 1975**

Jour. Geol. Soc. Japan, vol. 81, no. 10, p. 636, pl. 2, figs. 3–6; pl. 3, figs. 1–4

Holotype: UHR19875*; Paratypes: UHR19874*, 19876*, 19877*, 19878*, 19879*, 19880*, 19881*, 19882*, 19883*, 19884*, 19886*

Mt. Nabekoshi, Shishiori, Kesenuma City, Miyagi Prefecture
upper Toyoma Series
upper Permian (Changhsingian)

[=*Lamnimargus japonicus* (Tazawa, 1975) by Tazawa (2006a, p. 10)]

***Peltichia akasakensis* (Ozawa, 1927)**

[See *Enteleles akasakensis* Ozawa, 1927]

***Permophricodothyris horii* Tazawa, Ono and Miyake, 2014**

Jour. Geol. Soc. Japan, vol. 120, no. 4, p. 139, figs. 3, 4

Holotype: NU-B1860*; Paratypes: NU-B1861*, 1862*, 1863*

Kinshozan, Akasaka, Ogaki City, Gifu Prefecture
Akasaka Limestone
upper Permian (Wuchiapingian)

***Permundaria* Nakamura, Kato and Choi, 1970**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 14, no. 3, p. 295

***Permundaria asiatica* Nakamura, Kato and Choi, 1970**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 14, no. 3, p. 296, pl. 2, figs. 1, 2

Holotype: UHR19015*; Paratype: UHR19016*

Budosawa, a small tributary of Kattisawa (Kacchisawa), Sumita-cho (Sumita Town), Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Permundaria tenuistriata* Tazawa, 1974**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 94, p. 317, pl. 43, figs. 1, 2a, 2b

Holotype: UHR19700*; Paratype: UHR19701*

Nidanosawa, a tributary of Shigejisawa, Kamiyasse, Kesenuma City, Miyagi Prefecture

lower Kanokura Series

middle Permian (Wordian)

***Petasmaia ehiro* Tazawa in Tazawa and Miyake, 2011**

Sci. Rep., Niigata Univ. (Geol.), no. 26, p. 8, figs. 3.10a–3.11c, 4

Holotype: NU-B1476*; Paratype: NU-B1477*

Maeda, Ikawa-cho, Ofunato City, Iwate Prefecture

Toyoma Formation

upper Permian (Changhsingian)

[=*Oldhamina ehiro* (Tazawa) by Tazawa and Ono, 2013, p. 52]

***Planoproductus gigantoides* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 364, pl. 2, fig. 3; pl. 3, figs. 5a, 5b, 6

Holotype: UHR16111*; Paratypes: UHR16110, 16112, 16113, 16114, 16233, 16235

Choanji and Higuchisawa, Hikoroichi-cho, Ofunato City (Iwate Prefecture); Maide and Kasiwari, Setamai, Sumita Town, Iwate Prefecture

Hikoroichi Series

lower Carboniferous (Tournaisian)

***Plicatosyrinx* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 168

***Plicatosyrinx? kumanoi* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 169, pl. 5, fig. 6; pl. 7, figs. 1a–1c; pl. 9, fig. 5

Holotype: UHR15992*

Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata City, Iwate Prefecture

Jumonji Stage

lower Carboniferous

***Plicatosyrinx singulare* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 168, pl. 10, figs. 5a, 5b

Holotype: UHR15981*

Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata City, Iwate Prefecture

Jumonji Stage

lower Carboniferous

***Poikilosakos kamiyassensis* Tazawa and Takaizumi, 1987**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 145, p. 12, figs. 3.1a–3.7c

Holotype: IGPS99010*; Paratypes: IGPS99009*, 99011*, 99012*, 99013*, 99014*, 99015*, 99016*

Middle Matashirosawa Valley, a small tributary of the Shigejisawa Valley, Kamiyasse, Kesenuma City, Miyagi Prefecture

lower Kanokura Formation

middle Permian (Roadian)

***Productus giganteus* mut. *sinuata* Hayasaka, 1918**

Jour. Geol. Soc. Japan, vol. 25, no. 297, p. 306, pl. 18, figs. 1, 2

Utamura, Omi-mura (Itoigawa City), Niigata Prefecture

Fusulina-Limestone (Omi Limestone)

lower Carboniferous

***Prospira nodai* (Tachibana, 1956)**

[See *Spirifer nodai* Tachibana, 1956]

***Punctospirifer mesacostatus* Hayasaka, 1966**

Proc. Japan Acad., vol. 42, no. 10, p. 1224, figs. 4a–4c, 5

Iwaizaki, Kesenuma City, Miyagi Prefecture

lower Kanokura Series

middle Permian (Wordian)

***Purdonella sadai* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 188, pl. 19, fig. 1; text-fig. 14

Holotype: GK-D31618*; Paratype: GK-D31629*

Joge area, Fuchu City, Hiroshima Prefecture

Kawai Limestone

lower Permian (Asselian–Sakmarian)

***Rhipidomella magna* Tazawa, 2016**

Paleont. Res., vol. 20, no. 2, p. 85, fig. 6

Holotype: NU-B1757; Paratypes: NU-B1758, 1759, 1760, 1761, 1762, 1974

Minamizawa and Imosawa in the Kamiyasse–Imo area, South Kitakami Belt (Miyagi and Iwate Prefecture)

lower Kamiyasse Formation

middle Permian (Wordian)

***Rhynchopora matsumotoi* Tazawa, 2008b**

Paleont. Res., vol. 12, no. 1, p. 53, figs. 8.10a–8.10c

Holotype: NU-B1052*

Mizukoshi, Mifune-cho (Mifune Town), Kumamoto Prefecture

Mizukoshi Formation

upper Permian (Wuchiapingian?)

***Richthofenia mabutii* Tazawa and Araki, 1984b**

Saito Ho-on Kai Mus. Res. Bull., no. 52, p. 3, pl. 1, figs. 1a–7

Holotype: IGPS98870*; Paratypes: IGPS98871*, 98872*, 98873*, 98874*, 98875*, 98876*, 98877*

Omotematsukawa, Kesenuma City, Miyagi Prefecture

lower Kanokura Formation
middle Permian (Wordian)
[=*Neorichthofenia mabutii* (Tazawa and Araki, 1984b) by
Shen *et al.* (1992, p. 180)]

***Rotaia hikoroichiensis* Tazawa, 2006b**

Paleont. Res., vol. 10, no. 2, p. 135, figs. 8.1a–8.3c
Syntypes: OCM. G. 732*, 881*; NU-B49*
Onimaru quarry in the Hikoroichi area, Ofunato City, Iwate
Prefecture
Hikoroichi Formation
lower Carboniferous (lower Visean)

***Rugaria semicircularis* Afanasjeva, Tazawa and Shintani, 2015**

Paleontologicheskij Zhurnal, 2015, no. 1, p. 23, pl. 3, figs.
1–6
Holotype: NU-B1827*
Imahorazawa, tributary of Sakarigawa River, Hikoroichi-cho,
Ofunato City, Iwate Prefecture
Sakamotozawa Formation
lower Permian (Sakmarian)

***Rugicostella sakagamii* Yanagida, 1973c**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 90, p. 104, pl. 15,
figs. 1–8
Holotype: GK-D31168*; Paratypes: GK-D31160, 31161,
31191
Mitsuzawa, Hinode Village (Town), Tokyo Metropolis
limestone lens in the Jurassic Mitsuzawa Formation
lower Carboniferous (upper Visean)
Mitsuzawa is not in Itsukaichi Town.

***Salopina onukii* Tachibana, 1976**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 36, pt. 3, p. 34, pl. 1,
figs. 22–26; pl. 2, figs. 1–23; pl. 3, figs. 1–20; pl. 4, figs. 1–23;
pl. 6, figs. 1–2, 7–11; pl. 7, figs. 1–2; text-figs. 4a–4g
Slope of the eastern side of Kusayamizawa, about 1.5 km
west of Choanji, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture
Kawauchi Series
middle–upper Silurian

***Salopina onukii* var. *elongata* Tachibana, 1981a**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 31, pl. 7,
figs. 10a–10c
Kusayamizawa, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture
Kawauchi Series
middle–upper Silurian

***Salopina yamadai* Tachibana, 1981a**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 40, no. 2, p. 32, pl. 8,
figs. 1–6; pl. 9, fig. 9

Kusayamizawa, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture
Kawauchi Series
middle–upper Silurian

***Schellwienella izirii* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 363,
pl. 5, fig. 3
Holotype: UHR16141*
808 m hill, Okuhinozuti (Okuhinotsuchi), Simoarisu, Sumita
Town, Iwate Prefecture
Hikoroichi Series
lower Carboniferous

***Skenidioides kitakamiensis* Tachibana, 1976**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 36, pt. 3, p. 33, pl. 1,
figs. 1–21
Slope of the eastern side of Kusayamizawa, about 1.5 km
west of Choanji, Hikoroichi-cho, Ofunato City, Iwate Prefec-
ture
Kawauchi Series
middle–upper Silurian

***Spinomarginifera huangi* Nakamura, 1959**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 35, p. 145, pl. 15,
figs. 5–7
Syntypes: UHR12369, 12370, 12371, 12372
Kamiyasse, Kesenuma City, Miyagi Prefecture; Imo, Yahagi-
cho, Rikuzentakata City, Iwate Prefecture
lower Kanokura Series
middle Permian (Wordian)

***Spinomarginifera nipponica* Shimizu, 1961b**

Mem. Coll. Sci. Univ. Kyoto, Ser. B, vol. 28, no. 2, p. 244, pl.
8, figs. 1–20; pl. 9, figs. 14–16
Syntypes: JP30301*, 30302*, 30303*, 30304*, 30305*,
30306*
Gujo, Oe-cho, Fukuchiyama City, Kyoto Prefecture
Gujo Formation
upper Permian (Changhsingian)

***Spirifer acutiplicatus* Hayasaka, 1933**

Mem. Fac. Sci. Agric., Taihoku Imp. Univ., vol. 6, no. 2, p.
38, pl. 14, figs. 1–4; pl. 8, fig. 3
Kadosawa, Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Spirifer kozuboensis* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 155,
pl. 5, figs. 7a, 7b
Holotype: UHR15991
Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata
City, Iwate Prefecture

Jumonji Stage
lower Carboniferous

***Spirifer (Martiniopsis?) nagasakaensis* Tachibana, 1956**

Sci. Rep., Fac. Arts and Literature, Nagasaki Univ., no. 5, p. 13, pl. 1, figs. 15–20
Minamiwairi, Takozunomori and Hiranesawa, north of Nagasaka, Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Karaumedate Formation
lower Carboniferous (Tournaisian)
[=*Globispirifer nagasakensis* (Tachibana) by Tachibana (1964, p. 37)]

***Spirifer nodai* Tachibana, 1956**

Sci. Rep., Fac. Arts and Literature, Nagasaki Univ., no. 5, p. 11, pl. 1, figs. 1–14
Takozunomori, about 3.5 km north of Nagasaka, Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Karaumedate Formation
lower Carboniferous (Tournaisian)
[=*Prospira nodai* (Tachibana) by Tachibana (1969, p. 20)]

***Spirifer ohmoriensis* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 158, pl. 8, fig. 3; pl. 10, fig. 1
Syntypes: UHR15940, 15998*, 15999*
Ohmori, Hikoroiti-mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture
Hikoroichi Series
lower Carboniferous

***Spirifer ultratransversa* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 157, pl. 6, figs. 1, 2a–2c; pl. 9, fig. 3
Syntypes: UHR16027*, 16028*
Tyoanji (Choanji), Hikoroiti-mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture
Hikoroichi Series
lower Carboniferous (lower Tournaisian)

***Spiriferellina fredericksi* Tazawa, 2014**

Earth Sci. (Chikyu Kagaku), vol. 68, no. 1, p. 19, figs. 3.5–3.7
Holotype: NU-B1763*; Paratypes: NU-B1764*, 1765*, 1766*, 1767*, 1768*, 1769*, 1770*, 1771*, 1772*, 1773*, 1774*, 1775*, 1776*, 1777*
Kamiyasse, Kesennuma City, Miyagi Prefecture and Imo, Rikuzentakata City, Iwate Prefecture
lower Kamiyasse Formation
middle Permian (Wordian)

***Spiriferellina nanbuensis* Tazawa and Shintani, 2014**

Sci. Rep., Niigata Univ. (Geol.), no. 29, p. 34, figs. 6.6, 6.7
Holotype: NU-B1525*; Paratypes: NU-B1524*, 1526*, 1527*, 1528*, 1529*, 1530*

Hosoo, Kamiyasse, Kesennuma City, Miyagi Prefecture
lower Nakadaira Formation
lower Permian (Sakmarian)

***Spiriferina paratransversa* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 161, pl. 7, fig. 4; pl. 8, fig. 2
Syntypes: UHR16013, 16267, 16273*, 16275, 16278
Tyoanji (Choanji), Hikoroiti-mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture
Hikoroichi Series
lower Carboniferous (lower Tournaisian)

***Stenosisma japonica* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 169, pl. 16, fig. 8; pl. 17, figs. 1–3; text-fig. 5
Holotype: GK-D31602*; Paratypes: GK-D31671*, 31673*
Joge area, Fuchu City, Hiroshima Prefecture
Kawai Limestone
lower Permian (Sakmarian)

***Streptorhynchus tubiphora* Minato, 1949**

Japan. Jour. Geol. Geogr., vol. 21, nos. 1–4, p. 328, text-figs. a–o
Kadonosawa, Nabeyama, Sano City, Tochigi Prefecture
Nabeyama Formation
lower Permian (Kungurian)

***Syringothyris japonica* Tachibana, 1969**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 28, pt. 3, p. 22, pl. 3, figs. 1–5; pl. 4, figs. 1–8; pl. 5, figs. 1–7; pl. 6, figs. 1–4
Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Karaumedate Formation
lower Carboniferous (Tournaisian)

***Syringothyris jumonjiensis* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 376, pl. 2, fig. 1
Holotype: UHR15995
Nasirosawa (Nashirosawa), Jumonji, Simoarisu-mura (Shimoarisu), Sumita-cho (Sumita Town), Iwate Prefecture
Jumonji Stage
lower Carboniferous

***Syringothyris karaumedatensis* Tachibana, 1969**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 28, pt. 3, p. 20, pl. 1, figs. 1–8; pl. 2, figs. 1–6
Higashiyama-cho, Ichinoseki City, Iwate Prefecture
Karaumedate Formation
lower Carboniferous (Tournaisian)

***Syringothyris kitakamiensis* Minato, 1952**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 8, no. 2, p. 165, pl. 5, fig. 5

Holotype: UHR15994*

Kozubo (Otsubo), Yokota-mura (Yokota-cho), Rikuzentakata City, Iwate Prefecture

Jumonji Stage

lower Carboniferous

***Syringothyris sakamotoi* Tachibana, 1969**

Ann. Rep. Fac. Educ., Iwate Univ., vol. 28, pt. 3, p. 24, pl. 6, figs. 5–7

Higashiyama-cho, Ichinoseki City, Iwate Prefecture

Karaumedate Formation

lower Carboniferous (Tournaisian)

***Syringothyris transversa* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 377, pl. 5, figs. 1a–1f

Holotype: UHR16925*

Nasirosawa (Nashirosawa), Jumonji, Simoarisu-mura (Shimoarisu), Sumita-cho (Sumita Town), Iwate Prefecture

Jumonji Stage

lower Carboniferous

***Tangshanella nakakuboensis* Yanagida and Hirata, 1969**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 73, p. 91, pl. 10, figs. 12–14; text-fig. 2

Holotype: GK-D30230; Paratype: GK-D30237

About 1 km west of Nakakubo, Yanadani Village (Kumakogen Town), Ehime Prefecture

Nakakubo Formation

lower Permian (Sakmarian)

***Terrakea japonica* Tazawa, 2008c**

Proc. Royal Soc. Victoria, vol. 120, no. 1, p. 336, figs. 3A–3L

Holotype: NU-B702*

Ishikaburisawa, a small tributary of Imosawa, Imo, Yahagi-cho, Rikuzentakata City, Iwate Prefecture

Kanokura Formation

middle Permian (Wordian)

***Terrakea nabekoshiyamensis* Tazawa, 2012**

Sci. Rep., Niigata Univ. (Geol.), no. 27, p. 26, figs. 4.13–4.14

Holotype: NU-B1632*; Paratype: NU-B1633*

Nabekoshiyama, Kesenuma City, Miyagi Prefecture

Toyoma Formation

upper Permian (Changhsingian)

***Terrakea yanagidai* Tazawa, 2008b**

Paleont. Res., vol. 12, no. 1, p. 47, figs. 7.9–7.13

Holotype: NU-B778*; Paratypes: NU-B779*, 780*, 781*, 782*, 783*, 784*, 785*, 786*, 787*, 788*, 789*, 790*, 791*, 792*, 793*, 794*, 795*, 796*, 797*, 798*, 799*, 800*, 801*, 802*, 803*, 804*, 805*, 806*, 807*, 808*, 809*, 810*, 811*, 812*, 813*, 814*, 815*, 816*, 817*, 818*, 819*, 820*, 821*, 822*, 823*, 824*, 825*, 826*, 827*, 828*, 829*, 830*, 831*,

832*, 833*, 834*, 835*, 836*, 837*, 838*, 839*, 840*, 841*, 842*, 843*, 844*, 845*, 846*, 847*, 848*, 849*, 850*, 851*, 852*, 853*, 854*, 855*, 856*, 857*, 858*

Mizukoshi, Mifune Town, Kumamoto Prefecture

Mizukoshi Formation

upper Permian (Wuchiapingian?)

***Thamnosia nakadairensis* Tazawa and Nakamura, 2015**

Paleont. Res., vol. 19, no. 2, p. 162, figs. 4.11, 4.12

Holotype: UHR13062*; Paratypes: UHR13061*, NU-B1794*, 1975*

Nakadaira, Yahagi-cho, Rikuzentakata City, Iwate Prefecture

lower Hosoo Formation

lower Permian (Kungurian)

***Torynifer (Kitakamithyris)* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 374

[=*Kitakamithyris* Minato, 1951 by Minato (1952, p. 170)]

***Torynifer (Kitakamithyris) hikoroitiensis* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 375, pl. 1, fig. 1

Holotype: UHR16187

Tyoanji (Choanji), Hikoroiti-mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture

Hikoroichi Series

lower Carboniferous (lower Tournaisian)

[=*Kitakamithyris hikoroitiensis* (Minato, 1951) by Minato (1952, p. 171)]

***Torynifer (Kitakamithyris) tyoanjiensis* Minato, 1951**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 7, no. 4, p. 374, pl. 1, figs. 3a, 3b; pl. 4, fig. 7

Holotype: UHR15990*

Tyoanji (Choanji), Hikoroiti-mura (Hikoroichi-cho), Ofunato City, Iwate Prefecture

Hikoroichi Series

lower Carboniferous (lower Tournaisian)

[=*Kitakamithyris tyoanjiensis* (Minato, 1951) by Minato (1952, p. 170)]

***Tropidelasma yamasugensis* Tazawa in Tazawa *et al.*, 2010**

Sci. Rep., Niigata Univ. (Geol.), no. 25, p. 39, figs. 3.2a–3.2e

Holotype: KFM1174B*

Yamasuge in the Kuzu area, Sano City, Tochigi Prefecture

Nabeyama Formation

lower Permian (Kungurian)

***Uncinunellina hayasakai* Yanagida and Nishikawa, 1984**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 25, no. 2, p. 166, pl. 16, figs. 5–7; text-fig. 3

Holotype: GK-D31644*; Paratypes: GK-D31648*, 31653*, 31658*

Joge area, Fuchu City, Hiroshima Prefecture

Kawai Limestone
lower Permian (Sakmarian)

***Uncinunellina shikokuensis* Yanagida and Hirata, 1969**

Trans. Proc. Palaeont. Soc. Japan, N. S., no. 73, p. 94, pl. 11, fig. 1; text-figs. 3, 4

Holotype: GK-D30244; Paratypes: GK-D30245, 30246

About 1 km west of Nakakubo, Yanadani Village (Kumakogen Town), Ehime Prefecture

Nakakubo Formation

lower Permian (Sakmarian)

pl. 20, figs. 1, 2; pl. 19, figs. 4, 5; text-figs. 18, 19

Holotype: GK. D30054; Paratypes: GK. D30053, 30055, 30056

Yowara, Shuho-cho, Mine City, Yamaguchi Prefecture

Akiyoshi Limestone Group

lower Carboniferous (upper Viséan)

References are available from following URL.

<http://www.palaeo-soc-japan.jp/en/publications/sp43-ref.html>

***Undispirifer (Nakazatothyris)* Minato and Kato, 1977**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 17, no. 4, p. 623

[=*Kimatothyris* Struve, 1970 by Chen and Tazawa (2003, p. 1050)]

***Undispirifer (Nakazatothyris) vandercammeni* Minato and Kato, 1977**

Jour. Fac. Sci., Hokkaido Univ., Ser. 4, vol. 17, no. 4, p. 623, pl. 1, figs. 1–9

Holotype: UHR18904; Paratypes: UHR18906, 18908

Top of the ridge north of the Higuchizawa valley, Ohfunato (Ofunato) City, Iwate Prefecture

Nakazato Formation

Middle Devonian (Eifelian)

[=*Kimatothyris vandercammeni* (Minato and Kato, 1977) by Chen and Tazawa (2003, p. 1050)]

***Vediproductus mugenjin* Shiino, 2009**

Paleont. Res., vol. 13, no. 3, p. 252, fig. 3

Holotype: UMUT PB30075*

Shigejisawa, Kamiyasse, Kesenuma City, Miyagi Prefecture

Kamiyasse Formation

middle Permian (Wordian)

***Weiningia haikawai* Yanagida and Matsusue, 1995**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 29, no. 1, p. 95, pl. 5, figs. 2–5; pl. 6, figs. 1–5; text-fig. 3

Holotype: GK-D31817; Paratypes: GK-D31813, 31814

Okubo area, Shuho-cho, Mine City, Yamaguchi Prefecture

Akiyoshi Limestone Group

lower Carboniferous (Serpukhovian)

***Weiningia sugimurai* Yanagida and Matsusue, 1995**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 29, no. 1, p. 90, pl. 5, fig. 1; text-fig. 2

Holotype: GK-D31811; Paratype: GK-D30027*

Okubo area, Shuho-cho, Mine City, Yamaguchi Prefecture

Akiyoshi Limestone Group

lower Carboniferous (Serpukhovian)

***Yanishewskiella japonica* Yanagida, 1962**

Mem. Fac. Sci., Kyushu Univ., Ser. D, vol. 12, no. 1, p. 117,

Cenozoic corals

Toru Nakamori¹, **Kaoru Sugihara**², **Hiroyuki Tachikawa**³ and **Naotomo Kaneko**⁴

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***Acanthastrea amakusensis* Veron, 1990**

Galaxea, vol. 9, p. 137, figs. 42, 43

Holotype: MTQ G32485

O-gase, Amakusa Islands, Kumamoto Prefecture: about 10 m in water depth

Recent

[= *Micromussa amakusensis* (Veron) by Veron (2000, vol. 3, p. 8)]

***Acanthastrea ishigakiensis* Veron, 1990**

Galaxea, vol. 9, p. 132, figs. 38-40

Holotype: MTQ G32484

Kabira Bay, Ishigaki-jima, Ryukyu Islands, Okinawa Prefecture: 10 m in water depth

Recent

***Acanthocyathus spiniger* Saville-Kent, 1871**

Proc. Zool. Soc. London 1871, p. 275, pl. 23, figs. 1, 1a-1c

Syntypes: BM uncatalogued (6 specimens)

Japan

Recent

***Acropora akajimensis* Veron, 1990**

Galaxea, vol. 9, p. 102, fig. 7

Holotype: MTQ G32475

Aka-jima, Kerama Islands, Ryukyu Islands, Okinawa Prefecture: 5 m in water depth

Recent

[= *Acropora donei* Veron and Wallace by Wallace (1999, p. 15)]

***Acropora japonica* Veron, 2000**

Corals of the World, vol. 1, p. 330

Holotype: IGPS 44931 (= 108946)

Shimanoura-zima (Shimanoura-jima), Nobeoka City, Miyazaki Prefecture

Recent

[Two registration numbers are incorrectly given to the same specimen. Type information is indicated in Veron (2002, p. 53).]

***Acropora sekiseiensis* Veron, 1990**

Galaxea, vol. 9, p. 107, figs. 11, 12

Holotype: MTQ G32476

Fukaji-jima, Kerama Islands, Ryukyu Islands, Okinawa Prefecture : 5 m in water depth

Recent

[= *Acropora horrida* (Dana) by Wallace (1999, p. 15)]

***Acropora spiniformis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 495

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Acropora subglabra* (Brook) by Wallace (1999, p. 15)]

***Acropora tanegashimensis* Veron, 1990**

Galaxea, vol. 9, p. 109, figs. 13, 14

Holotype: MTQ G32477

Sumiyoshi, Tanegashima, Kagoshima Prefecture: 5 m in water depth

Recent

***Acropora tubiformis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 488

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

***Acropora yaeyamaensis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 489

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Acropora aspera* (Dana) by Wallace (1999, p. 15)]

***Alatotrochus japonicus* Tachikawa, 2011**

Mem. Natl. Mus. Nat. Sci., Tokyo, vol. 47, p. 44, figs. 3, 4

Holotype: CMNH-ZG 06088

N of Mukojima, Ogasawara Islands, Tokyo Metropolis, 109-108 m.

Recent

***Alcockia* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C62

Recent

***Alcockia wellsi* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C63

Syntypes: IGPS 58934, 58961, 58962, 58964, 58965, 58966,

58968, 58970, 58971, 59172

off Onjuku, Chiba Prefecture; Okinose, Sagami Sea, Kanagawa Prefecture; off Shimoda, Shizuoka Prefecture; Kurose, off north of Hachijo-jima, Tokyo Metropolis; off Seto, Wakayama Prefecture; off Murotozaki (Muroto-misaki), Kochi Prefecture; off Ashizurizaki (Ashizuri-misaki), Kochi Prefecture; off Hosozima, Miyazaki Prefecture; off Tanegashima, Kagoshima Prefecture; off Nomanosaki (Noma-misaki), Kagoshima Prefecture

Recent

[Other syntypes exist.]

***Alveopora japonica* Eguchi, 1965**

New Illustrated Encyclopedia of the Fauna of Japan, Scleractinia. p. 278, text-fig. 377

Syntypes: NSMT-Cor R293, R294, R632*, R659*, R680-2*, R686*, R826*, R827*, R839*, R844*, R850*, R862*

Arasaki, shallow beach; Kamegisho, Mosaki, 7-8 fms (fathoms); off Sajima, Chojauma, 7-8 fms; off Chojauma, Kasagone, 7-8 fms; Hatsuse, Nishinosaki, 7-8 fms (Kanagawa Prefecture)

Recent

[Type information is indicated in Eguchi (1968), p. C19.]

***Alveopora japonica* var. *magma* Eguchi, 1973**

Publ. Seto Mar. Biol. Lab., no. 20, p. 81, pl. 1, fig. 4

Depository unknown

Nakagi, Minami-Izu machi (Minamiizu Town), Shizuoka Prefecture

Recent

***Amphihelia adminicularis* Rehberg, 1892**

Abhandlungen aus dem Gebiete der Naturwissenschaften, vol. 12, no. 1, p. 10, pl. 4, fig. 1

Syntypes: ZMB Cni 2670, 2691

Japan

Recent

***Anthemiphyllia frustum* Cairns, 1994**

Smithsonian Contr. Zool., no. 557, p. 44, pl. 19, figs. a, b

Holotype: USNM 92668

Osumi Shoto, northern Ryukyu Islands, Japan, KT9202-OS2, 30°58.42'N, 130°31.82'E, 237-241 m (Kagoshima Prefecture)

Recent

***Antillia constricta* var. *kiiensis* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 125, pl. 37, figs. 5, 6

Holotype: IGPS 38745

Seto Peninsula, Wakayama Prefecture

Holocene

***Antillia flabelliformis* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 127, pl. 38, figs. 7, 8

Holotype: IGPS 38519

Uranouchi Mura, Takaoka-gun (Uranouchi, Susaki City), Kochi Prefecture

Recent

***Antillia japonica* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 128, pl. 37, figs. 1-5, pl. 38, figs. 1, 2

Holotype: IGPS 38554A; Paratypes: IGPS 7161, 38554B, 38554C, 38554D, 38554E ?

Noma (Numa) near Tateyama, Chiba Prefecture

Noma Formation

Holocene

[= *Protolobophyllia japonica* (Yabe and Sugiyama) by Yabe and Sugiyama (1935b, p. 381-382) = *Cynarina lacrymaris* (Milne Edwards and Haime) by Wells (1964, p. 377)]

***Antillia nomaensis* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 128, pl. 38, figs. 3-5

Holotype: IGPS 38555

Noma (Numa) near Tateyama, Chiba Prefecture

Noma Formation

Holocene

[= *Protolobophyllia japonica* (Yabe and Sugiyama) by Yabe and Sugiyama (1935b, p. 381-382) = *Cynarina lacrymaris* (Milne Edwards and Haime) by Wells (1964, p. 377)]

***Astrangia hayamaensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C26, pl. C27, figs. 12-14; pl. C28, fig. 7

Holotype: NSMT-Cor R640

Kamegisho, O-ne, Sagami Bay, 3 fms (Kanagawa Prefecture)

Recent

***Astreopora elliptica* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 84, pl. 91, figs. 1, 1a-1c

Holotype: IGPS 48752

Pokaku, Marshall Islands

Recent

***Astreopora tayamai* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 84, pl. 91, figs. 2, 2a-2c

Holotype: IGPS 48754

Wotje, Marshall Islands

Recent

***Astrocoenia hanzawai* Wells, 1935**

Ann. Mag. Nat. Hist. Ser. 10, vol. 15, p. 343, pl. 15, figs. 1-3

[See *Stylocoenia hanzawai* Yabe and Sugiyama, 1933]

***Balanophyllia teres* Cairns, 1994**

Smithsonian Contr. Zool., no. 557, p. 84, pl. 36, fig. c
Holotype: USNM 92888

Osumi Shoto, northern Ryukyu Islands, Japan, KT9202-OS2,
30°58.42'N, 130°31.82'E, 237–241 m (Kagoshima Prefecture)

Recent

Balanophyllia teres Cairns, 1994 is a junior homonym (available and invalid) of *B. (Eupsammia) teres* Römer, 1863. Its new replacement name is *Balanophyllia (Balanophyllia) japonica* Cairns, 2001.

***Barabattoia* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2,
p. 72

Recent

[= *Dipsastraea* Blainville, 1830 by Huang *et al.* (2014a, p. 307)]

***Barabattoia goroensis* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2,
p. 73, pl. 61, figs. 2, 2a

Holotype: IGPS 64331*

Goro, New Caledonia

Recent

[= *Favia amicorum* (Milne Edwards and Haime, 1849) by Veron *et al.* (1977, p. 32) = *Barabattoia amicorum* (Milne Edwards and Haime) by Veron (1986, p. 466) = *Dipsastraea amicorum* (Milne Edwards and Haime) by Huang *et al.* (2014a, p. 307)]

***Barabattoia mirabilis* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2,
p. 72, pl. 61, figs. 1, 1a–1e

Holotype: IGPS 64330*

Barabatto, Yap Islands

Recent

[= *Dipsastraea mirabilis* (Yabe and Sugiyama) by Huang *et al.* (2014a, p. 309)]

***Bathyactis kikaiensis* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2,
p. 155, pl. 12, figs. 6a, 6b, 7a, 7b

Syntypes: IGPS 50236 (some 110 specimens)

Kikai-zima (Kikai-jima), Kagoshima Prefecture

Riukiu Limestone (Ryukyu Group)

Pleistocene

[The correct registration number might be IGPS 50097.]

***Boninastrea* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 402

Recent

***Boninastrea boninensis* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 402, pl. 11, figs. 1, 2

Holotype: IGPS 44970*

Futami-wan (Futami Bay), Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis

Recent

***Botryphyllia* Shirai, 1980**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour [revised edition], p. 582

Recent

[= *Euphyllia* Dana, 1846 by Veron (1992, p. 195)]

***Botryphyllia yaeyamaensis* Shirai, 1980**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour [revised edition], p. 583

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Euphyllia yaeyamaensis* (Shirai, 1980) by Veron (1992, p. 195)]

***Caryophyllia japonica* Marenzeller, 1888b**

Annalen des K.-K. Naturhistorisches Hofmuseum Wien, vol. 3, p. 16

Syntypes: Naturhistorisches Museum, Wien, 8168 (2 specimens)

Japan

Recent

***Caryophyllia jogashimaensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C33, pl. C18, figs. 4–8

Syntypes: NSMT-Cor R852 (2 syntypes)

off Jogashima, west of lighthouse, 1.4 km, 52–56 m (Kanagawa Prefecture)

Recent

***Caryophyllia paraoctopali* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2,
p. 150, pl. 10, figs. 12a, 12b

Holotype: IGPS 53647

off Hosozima, Higasi-Usuki-gun, Miyazaki Prefecture, about 100 fms.

Recent

***Caryophyllia paucipaliata* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2,
p. 149, pl. 10, figs. 9a, 9b, 10a, 10b, 11a, 11b

Syntypes: IGPS 60740 (some 230 specimens)

Kikai-zima (Kikai-jima), Kagoshima Prefecture

Riukiu Limestone (Ryukyu Group)

Pleistocene

***Caryophyllia scobinosa decapali* Yabe and Eguchi, 1942b**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2,
 p. 149, pl. 10, figs. 6a, 6b
 Holotype: IGPS 53640
 Soyo-maru St. 210 (off Seto, Wakayama Prefecture)
 Recent

***Catalaphyllia okinawaensis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the
 Ryukyu Islands in Colour, p. 583
 Depository unknown
 Okinawa Islands, Ryukyu Islands, Okinawa Prefecture
 Recent
 [= *Euphyllia glabrescens* (Chamisso and Eysenhardt, 1821)
 by Veron (1992, p. 193)]

***Caulastraea aiharai* Yabe and Sugiyama, 1932b**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2,
 p. 155
 Holotype: IGPS 40184
 Enoura-wan, Izu Peninsula, Shizuoka Prefecture
 Recent
 [= *Caulastraea echinulata* (Milne Edwards and Haime) by
 Veron *et al.* (1977, p. 11). Type information is indicated in
 Yabe *et al.* (1936, p. 2).]

***Caulastraea conglobata* Yabe and Sugiyama, 1932b**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2,
 p. 155
 Holotype: IGPS 40181; Paratypes: IGPS 40179, 40178,
 40229, 41106
 Holotype: Tanabe-wan, Wakayama Prefecture; Paratypes:
 Kushimoto, Wakayama Prefecture; Misaki, Kochi Prefecture;
 Susaki, Kochi Prefecture; Udo, Miyazaki Prefecture
 Recent
 [= *Caulastraea tumida conglobata* (Yabe and Sugiyama) by
 Yabe *et al.* (1936) = *Caulastraea tumida* Matthai, 1928 by
 Veron *et al.* (1977, p. 18). Type information is indicated in
 Yabe *et al.* (1936, p. 20).]

***Caulastraea multiseptata* Yabe and Sugiyama, 1931**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p.
 132, pl. 39, figs. 6–8
 Holotype: IGPS 38741; Paratypes: IGPS 40156, 45114, 45151
 Holotype: Tanabe-wan, Seto Peninsula, Wakayama Prefec-
 ture; Paratypes: Tanabe-wan, Seto Peninsula, Wakayama Pre-
 fecture; Tomioka, Kumamoto Prefecture; Near Shimanoura,
 Miyazaki Prefecture
 Recent
 [= *Caulastraea tumida multiseptata* (Yabe and Sugiyama) by
 Yabe *et al.* (1936) = *Caulastraea tumida* Matthai, 1928 by
 Veron *et al.* (1977, p. 18). Type information is indicated in
 Yabe *et al.* (1936, p. 20).]

***Caulastraea tumida conglobata* Yabe and Sugiyama, 1935b**
 Jour. Geol. Sci. Japan, vol. 42, p. 393
 [See *Caulastraea conglobata* Yabe and Sugiyama, 1932]

***Caulastraea tumida gracillis* Yabe and Sugiyama, 1935b**
 Jour. Geol. Sci. Japan, vol. 42, p. 393
 [See *Caulastraea yokoyamai* var. *gracilis* Yabe and Sugiyama,
 1931]

***Caulastraea tumida multiseptata* Yabe and Sugiyama, 1935b**
 Jour. Geol. Sci. Japan, vol. 42, p. 393
 [See *Caulastraea multiseptata* Yabe and Sugiyama, 1931]

***Caulastraea yokoyamai* Yabe and Sugiyama, 1931**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p.
 132, pl. 39, figs. 1–5
 Syntypes: IGPS 38587, 36911
 Noma (Numa) near Tateyama, Chiba Prefecture; Seto Penin-
 sula, Wakayama Prefecture
 Noma Formation (IGPS 38537)
 Holocene and Recent
 [= *Caulastraea tumida* Matthai, 1928 by Yabe *et al.* (1936, p.
 19)]

***Caulastraea yokoyamai* var. *gracillis* Yabe and Sugiyama, 1931**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p.
 131, pl. 39, figs. 11–16
 Syntypes: IGPS 38743, 38744, 45153, 44874, 44875, 44876,
 48622
 Noma (Numa) near Tateyama, Chiba Prefecture; Tanabe-wan,
 Seto Peninsula, Wakayama Prefecture; Kosiki-zima (Koshiki-
 jima), Kagoshima Prefecture; Usibuka (Ushibuka), Kuma-
 moto Prefecture; Titi-zima (Chichi-jima) and Haha-zima
 (Haha-jima), Ogasawara Islands, Tokyo Metropolis
 Noma Formation (IGPS 38744)
 Holocene and Recent
 [= *Caulastraea tumida gracilis* (Yabe and Sugiyama) by Yabe
et al. (1936) = *Caulastraea tumida* Matthai, 1928 by Veron
et al. (1977, p. 19). Type information is indicated in Yabe
et al. (1936, p. 20).]

***Caulastraea? gigantea* Yabe and Sugiyama, 1931**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p.
 133, pl. 38, figs. 11–13
 Holotype: IGPS 39519
 Kaiko, Choshu-gun, Takao (Kaohsiung), Taiwan
 Holocene

***Ceratotrochus (Conotrochus) elongatus* Yabe and Eguchi, 1942b**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2,
 p. 148, pl. 9, figs. 13a, 13b, 14a, 14b

Syntypes: IGPS 60757 (5 specimens)
Kikai-zima (Kikai-jima), Kagoshima Prefecture
Riukiu Limestone (Ryukyu Group)
Pleistocene

***Ceratrotrochus (Conotrochus) parahispidus* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 147, pl. 9, figs. 12a, 12b
Syntypes: IGPS 50247 (8 specimens), IGPS 59174 (1 specimen)
Soyo-maru St. 323 (Bungo Channel, 88 m) (Oita Prefecture)
Recent

***Ceratrotrochus hiugaensis* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 146, pl. 9, figs. 10a, 10b
Holotype: IGPS 50245; Paratypes: IGPS 50246 (2 specimens)
Soyo-maru St. 315 (off Osima, Miyazaki Prefecture, 91–472 m)
Recent

[Three specimens of the type series exist. However, some discrepancies between the size of the coralla in the description, the specimen number in the caption of plate 9, and those of the actual specimens were found. Therefore, the holotype cannot be identified (confirmed by Hiroyuki Tachikawa, unpublished).]

***Ceratrotrochus japonicus* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C38, pl. C6, figs. 1–3
Lectotype: NSMT-Cor R782
off Jogashima, WSW, Sagami Bay, 150–250 m (Kanagawa Prefecture)
Recent
[Type information is indicated in Tachikawa (2008).]

***Ceratrotrochus jogashimaensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C38, pl. C11, figs. 7–9
Holotype: NSMT-Cor R779
off SW 5 km of Jogashima, Sagami Bay, 300–450 m (Kanagawa Prefecture)
Recent

***Cladocora kabiraensis* Eguchi, 1975**

Proc. Jap. Soc. Syst. Zool., no. 11, p. 2, figs. 1, 2
Depository unknown
Kabira Bay, Ishigaki-jima, Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture: 25 m in water depth
Recent

***Cladorbicella* Yabe and Ehara, 1936**

Proc. Imp. Acad., vol. 12, p. 27

***Cladorbicella taiwanensis* Yabe and Ehara, 1936**

Proc. Imp. Acad., vol. 12, p. 27, pl. 1, figs 1, 2, 6, 7
Holotype: IGPS 56238*
Kaiko, Choshu-gun, Takao (Kaohsiung), Taiwan
Holocene

***Coenocyathus sagamiensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C34, pl. C10, figs. 6, 7
Holotype: NSMT-Cor R657
Amadaiba, Okino-Kannonzुकadashi, Sagami Bay, 60–80 m (Kanagawa Prefecture)
Recent

***Coenopsammia ramiculosa* Rehberg, 1892**

Abhandlungen aus dem Gebiete der Naturwissenschaften, vol. 12, no. 1, p. 29, pl. 4, fig. 5
Depository unknown
Japan
Recent

[The syntypes are thought to be deposited at ZMB (Berlin) and ZMH (Hamburg). However, it was not found in ZMB in September 2013, and we have not checked ZMH yet.]

***Coscinastraea hahazimaensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 61, pl. 39, fig. 3; pl. 59, figs. 1–3
Holotype: IGPS 44691; Paratypes: 44689, 44694, 44956
Haha-zima (Haha-jima), Ogasawara Islands, Tokyo Metropolis
Recent
[= *Coscinaraea columna* (Dana, 1846) by Veron and Pichon (1980, p. 92)]

***Coscinastraea kusimotoensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 62, pl. 46, figs. 1, 2
Holotype: IGPS 36890; Paratype: IGPS 49766
Kusimoto (Kushimoto), Wakayama Prefecture
Recent
[= *Coscinaraea columna* (Dana, 1846) by Veron and Pichon (1980, p. 92)]

***Culicia japonica* Yabe and Eguchi, 1936**

Proc. Imp. Acad., vol. 12, no. 6, p. 167, figs. 1–3
Holotype: IGPS 59328
off Owasi, Minami-Muro-gun, Mie Prefecture
Recent

***Culicia japonica tenuisepe* Ogawa, Takahashi and Sakai, 1997**

Publ. Seto Mar. Biol. Lab., vol. 38, nos. 1–2, p. 45, pl. 4, figs.

1, 1a

Holotype: NSMT-Cor R563

Tsukumo Bay, Noto Peninsula, Ishikawa Prefecture, 1–1.5 m in water depth

Recent

***Culicia subaustraliensis* Ogawa, Takahashi and Sakai, 1997**

Publ. Seto Mar. Biol. Lab., vol. 38, nos. 1–2, p. 47, pl. 4, figs. 2, 2a

Holotype: NSMT-Cor R564

Hachijo Island, Tokyo Metropolis

Recent

***Cyathoceras niinoi* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 145, pl. 9, figs. 9a, 9b

Holotype: IGPS 60821(not IGPS 59070)

Wakasa Bay (Fukui Prefecture)

Recent

[According to the specimen number in the description and the caption of plate 9, specimen No. 59070 from Taito-misaki Cape, Chiba Prefecture, is considered the holotype. However, the actual specimen No. 59070 does not match the description / figures (confirmed by Hiroyuki Tachikawa, unpublished). The specimen No. 60821 collected from Wakasa Bay coincides with the description and the figures; therefore, is regarded the holotype.]

***Cyphastraea chalcidicum tanabensis* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 393

[See *Cyphastrea chalcidicum* var. *tanabensis* Yabe and Sugiyama]

***Cyphastraea chalcidicum* var. *tanabensis* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 161

Holotype: IGPS 39106; Paratypes: IGPS 40312, 40331, 40332, 40333, 40335, 40336, 40337, 40339, 40340

Holotype: Tanabe-wan, Wakayama Prefecture

Recent

[= *Cyphastrea chalcidicum tanabensis* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 25). Type information is indicated in Yabe *et al.* (1936, p. 25).]

***Cyphastraea japonica* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 155

Holotype: IGPS 40323*

Misaki, Tosashimizu, Kochi Prefecture

Recent

[Type information is indicated in Yabe *et al.* (1936, p. 25).]

***Cyphastrea megamiensis* Eguchi and Mori, 1976**

Bull. Tokyo Coll. Domest. Sci., vol. 16, p. 16, pl. 2, figs. 1–4

Holotype: Mg 740306 (depository unknown)

Megamiyama, Makinohara City, Shizuoka Prefecture

Megami Formation

Early Miocene, Tertiary (Neogene)

***Deltocyathoides* Yabe and Eguchi, 1932a**

Proc. Imp. Acad., vol. 8, no. 8, p. 389

Recent (dredge)

***Deltocyathoides japonicus* Yabe and Eguchi, 1932a**

Proc. Imp. Acad., vol. 8, no. 8, p. 389, fig. 3

Syntypes: IGPS 50091, 53677, 53678, 53679, 53680, 56585 “Japanese seas”

Recent (dredge)

***Deltocyathus orientalis* Duncan, 1876**

Proc. Zool. Soc. London 1876, no. 29, p. 431, pl. 38, figs. 4–7

Depository unknown

off Owase, Japanese seas, 34°12'N, 136°20'E, 52 fms (Mie Prefecture)

Recent

[Type specimen in BM appears to be lost (Zibrowius, 1980, p. 112).]

***Dendrophyllia boschmai cyathoheloides* Eguchi, 1965**

New Illustrated Encyclopedia of the Fauna of Japan, Scleractinia. p. 294, text-fig. 443

Depository unknown

Sagami Bay (Kanagawa Prefecture)

Recent

[Some conspecific specimens deposited at IGPS and NSMT collected before 1965 could be syntypes.]

***Dendrophyllia compressa* Ogawa and Takahashi, 1995**

Nanki Seibutu, vol. 37, no. 1, p. 20, pl. 4, figs. 1–3; pl. 7, figs. 6, 7

Syntypes: CMNH-ZG 05172, 05173, 05174, 05175, 05176, 05177, 05178, 05179, 05180, 051181, 05182 (11 of 41 syntypes)

Japan

Recent

[For the authorship and the year of description, see Tachikawa (2005).]

***Dendrophyllia futojiku* Ogawa and Takahashi, 2000**

Publ. Seto Mar. Biol. Lab., vol. 39, no. 1, p. 11, pl. 2, figs. 1, 1a, 1b; pl. 4, fig. 1

Holotype: NSMT-Cor R1002 and CMNH-ZG 05288

Hachijo Island, Tokyo Metropolis, 2 m

Recent

[Part of the holotype colony, originally referred to the paratype, is now deposited in CMNH.]

***Dendrophyllia ijimai* Eguchi, 1965**

New Illustrated Encyclopedia of the Fauna of Japan, Scleractinia. p. 294, text-fig. 377

One of the syntype specimen figured in Eguchi (1965) is now deposited in NSMT (NSMT Cor R842).

Sagami Bay (Kanagawa Prefecture), off Seto (Wakayama Prefecture) and Tomioka (Kumamoto Prefecture)

Recent

[Some conspecific specimens deposited at IGPS and NSMT collected before 1965 could be syntypes.]

***Dendrophyllia japonica* Rehberg, 1892**

Abhandlungen aus dem Gebiete der Naturwissenschaften, vol. 12, no. 1, p. 28, pl. 4, fig. 4

Syntype: ZMB Cni 2675

Japan

Recent

***Dendrophyllia japonica* van der Horst, 1922**

Siboga Expedite, Monographie 16c, p. 51, pl. 7, fig. 6, text-fig. 3

Holotype: ZMA Coel. 545

Japan

Recent

Dendrophyllia japonica van der Horst, 1922 is a junior homonym (available and invalid) of *D. japonica* Rehberg, 1892. Its new replacement name is *D. boschmai* van der Horst, 1926.

***Dendrophyllia minima* Ogawa and Takahashi, 2000**

Publ. Seto Mar. Biol. Lab., vol. 39, no. 1, p. 11, pl. 2, figs. 2, 2a, 2b; pl. 4, fig. 2

Holotype: NSMT-Cor R1003

Hachijo Island, Tokyo Metropolis, 2 m

Recent

***Dendrophyllia paragracilis* Ogawa and Takahashi, 2000**

Publ. Seto Mar. Biol. Lab., vol. 39, no. 1, p. 10, pl. 1, figs. 2, 2a, 2b; pl. 3, fig. 2

Holotype: CMNH-ZG 03108

Chichi-jima, Ogasawara Islands, Tokyo Metropolis, 1 m in water depth

Recent

***Dendrophyllia subcornigera* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C64, pl. C32, figs. 3, 4

Holotype: IGPS 40859 and NSMT-Cor R896

Enoura Bay, Shizuoka Prefecture

Recent

The holotype is deposited at IGPS, and branch from the colony is deposited at NSMT (see Tachikawa (2005) Pl. 11, fig F).

***Dendrophyllia subcornigera cylindrica* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C64, pl. C32, figs. 1, 2

Holotype: IGPS 39754 and NSMT-Cor R897

Kanayama-mura, Wakayama Prefecture

Recent

The holotype is deposited at IGPS, and branch from the colony is deposited at NSMT (see Tachikawa (2005) Pl. 11, fig I).

***Dendrophyllia suprabuscula* Ogawa and Takahashi, 2000**

Publ. Seto Mar. Biol. Lab., vol. 39, no. 1, p. 9, pl. 1, figs. 1, 1a, 1b; pl. 3, fig. 1

Holotype: NSMT-Cor R1001 and CMNH-ZG 05287

Hachijo Island, Tokyo Metropolis, 90 m

Recent

Part of the holotype colony, originally referred to the paratype, is now deposited in CMNH.

***Desmophyllum delicatum* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 144, pl. 9, figs. 7a, 7b

Holotype: IGPS 59131

Soyo-maru St. 22 (off Siwoya-zaki, Fukushima Prefecture)

Recent

***Diaseris pulchella* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 48, pl. 1, fig. 3

Syntypes: YPM IZ000768CN

Foukow Bay (Naze Bay), Oushima (Amami-O-shima), Oshima-gun, Kagoshima Prefecture: 20 fms on a hard sandy bottom

Recent

[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Discotrochus (Cylindrophyllia)* Yabe and Eguchi, 1937**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 19, no. 1, p. 146.

Recent

***Discotrochus (Cylindrophyllia) minimus* Yabe and Eguchi, 1937**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 19, no. 1, p. 146, pl. 20, figs. 16–22

Syntypes: IGPS 30361, 50011, 50012, 50022, 50023, 50547, 58224, 60360, 60381, 60382, 60383, 60385, 60390, 60393, 60395, 60416

Recent

***Echinomorpha* Veron, 2000**

Corals of the World, vol. 3, p. 333

[See *Echinophyllia nishihirai* Veron, 1990]

***Echinophyllia nishihirai* Veron, 1990**

Galaxea, vol. 9, p. 130, figs. 35, 37

Holotype: MTQ G32483

Okinawa-jima, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Echinomorpha nishihirai* (Veron) by Veron (2000, vol. 2, p. 333)]***Echinophyllia yabei* Eguchi and Mori, 1976**

Bull. Tokyo Coll. Domest. Sci., vol. 16, p. 15, pl. 1, figs. 1–3

Holotype: Mg 740301 (depository unknown)

Megamiyama, Makinohara City, Shizuoka Prefecture

Megami Formation

Early Miocene, Tertiary (Neogene)

***Enallopsammia amphelioides disticha* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C68, pl. C24, figs. 1, 6; pl. C26, figs. 1, 2

Holotype: NSMT-Cor R857

South of Kaimondake, Kagoshima Prefecture, 270 m

Recent

***Endopachys japonicum* Yabe and Eguchi, 1932d**

Japan. Jour. Geol. Geogr., vol. 10, nos. 1–2, p. 14, figs. 1–6, pl. 2

Holotype and paratypes: IGPS Reg. No. 41923 (47 specimens including figured holotype)

Atebi, Makuta-mura, Kimitsu-gun (Kisarazu City), province of Kazusa (Chiba Prefecture)

younger Cenozoic

***Euphyllia kabiraensis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 582

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Euphyllia ancora* Veron and Pichon, 1980 by Veron (1992, p. 194)]***Euphyllia paraglabrescens* Veron, 1990**

Galaxea, vol. 9, p. 162, figs. 68–70

Holotype: MTQ G32494

Ojioya Port, Tanegashima, Kagoshima Prefecture: 2 m in water depth

Recent

***Euphyllia sabiuraensis* Eguchi, 1973**

Publ. Seto Mar. Biol. Lab., no. 20, p. 82, pl. 1, fig. 5

Depository unknown

South West of Shirukobashi off Sabiura, Kushimoto-cho, Wakayama Prefecture, 25 m deep

Recent

[= *Catalaphyllia jardinei* (Saville-Kent, 1893) by Veron

(1992, p. 196)]

***Euphyllia undulata* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 38

Depository unknown

Bonin (Ogasawara) Islands, Tokyo Metropolis

Recent

***Favia deformis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 551

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

***Favia elongata* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 549

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

***Favia palauensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 30, pl. 19, figs. 5, 6

Holotype: IGPS 56631*

Palau, Palau Islands

Recent

[= *Goniastrea palauensis* (Yabe and Sugiyama) by Veron *et al.* (1977, p. 95) = *Coelastrea palauensis* (Yabe and Sugiyama) by Huang *et al.* (2014a, p. 304)]***Favia rariseptata* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 549

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

***Favia sagaraensis* Eguchi and Mori, 1976**

Bull. Tokyo Coll. Domest. Sci., vol. 16, p. 15, pl. 4, figs. 1–4

Holotype: Og 740308 (depository unknown)

Ogamiyama, Makinohara City, Shizuoka Prefecture

Megami Formation

Early Miocene, Tertiary (Neogene)

***Favites stylifera* Yabe and Sugiyama, 1937**

Proc. Imp. Acad., vol. 13, p. 427, pl. 1, figs. 2–4

Holotype: NSMT-Cor R295*

off Chabana, Yoron-jima, Osima-gun, Kagoshima Prefecture 12 m in water depth

Recent

***Favites yamanarii* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 33, pl. 19, fig. 10

Holotype: IGPS 47880

Kita-daito-jima, Shimajiri-gun, Okinawa Prefecture

Holocene

[= *Favites chinensis* (Verrill, 1866) by Veron *et al.* (1977, p. 53)]

***Flabellum (Ulocyathus) apertum borealis* Cairns, 1994**

Smithsonian Contr. Zool., no. 557, p. 74, pl. 32, figs. f, i, l

Holotype: USNM 40710

Sagami Bay, Japan, Alb-5086, 35°08'N, 139°20'E, 534 m (Kanagawa Prefecture)

Recent

***Flabellum coalitum* Marenzeller, 1888a**

Zoologische Jahrbücher, vol. 3, p. 48

Holotype: Naturhistorisches Museum, Wien, 8196

Japan

Recent

Holotype in Cairns (1994) plate 38d, e.

***Flabellum distinctum* Milne Edwards and Haime, 1852**

Annales des Sciences Naturelles. Zoologie et Biologie Animale, 3rd Ser., vol. 9, p. 262

Lectotype: BM 1840. 4. 6. 82

Japan

Recent

[Type information is indicated in Cairns (1989, p. 50).]

***Flabellum distinctum angustum* Yabe and Eguchi, 1942a**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 95, pl. 6, figs. 5a–5c, 6a–6c, 7a–6c

Syntypes: IGPS 43436

Tonohama, Aki-gun, Koti-ken (Kochi Prefecture)

Pliocene

***Flabellum japonicum* Moseley, 1881**

Rept. Voyage Challenger, Zool., p. 168, pl. 7, figs. 3, 3a; pl. 16, fig. 12

Syntype: BM 1880. 11. 25. 75

off Enoshima, Japan, 345 fms (Kanagawa Prefecture)

Recent

[Cairns (1989: 58) noted eight syntypes are deposited in BM, but only one (1880. 11. 25. 75) was found in September 2013 (Hiroyuki Tachikawa, personal observation).]

***Flabellum matricidum* Saville-Kent, 1871**

Proc. Zool. Soc. London 1871, p. 276, pl. 23, figs 2, 2a–2c.

Syntypes: BM 1862. 7. 16. 72 (2 specimens)

off Tsushima, Japan, 46 fms (Nagasaki Prefecture)

Recent

***Flabellum transversale conicum* Yabe and Eguchi, 1942a**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 100, pl. 7, figs. 8a–8c, 10a–10c

Syntypes: IGPS 39727, 50867, 50874, 50875, 50881, 50882, 50885, 50895, 51208,

Recent

***Flabellum transversale triangulare* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C48, pl. C12, figs. 27, 28

Holotype: NSMT-Cor R804

Kamegisho WNW 2 km, 50–60 m (Kanagawa Prefecture)

Recent

***Fragilocyathus* Yabe and Eguchi, 1932a**

Proc. Imp. Acad., vol. 8, no. 8, p. 389

Recent

***Fragilocyathus conotrochoides* Yabe and Eguchi, 1932a**

Proc. Imp. Acad., vol. 8, no. 8, p. 389, fig. 1

Syntypes: IGPS 50083, 50084, 50085, 53674, 53675, 53676

“Japanese seas”

Recent

[Type information is indicated in Yabe and Eguchi (1942b).]

***Fungia döderleini* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 75, pl. 66, figs. 9, 9a–9d

Holotype: IGPS 41347

Iwayama-wan, Korol, Palau Islands

Recent

[= *Cycloseris costulata* (Ortmann, 1889) by Hoeksema (1989, p. 64)]

***Fungia papillosa* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 42

Holotype: USNM 372

Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture

Recent

[= *Fungia fungites* (Linnaeus, 1758) by Hoeksema (1989, p. 117). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Galaxea colammaris* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 570

Depository unknown

Okinawa or Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Galaxea fascicularis* (Linnaeus, 1767) by Veron (1992, p. 140)]

***Goniastrea deformis* Veron, 1990**

Galaxea, vol. 9, p. 147, figs. 53, 54

Holotype: MTQ G32487

Kushimoto, Wakayama Prefecture: 4 m in water depth

Recent

[= *Paragoniastrea deformis* (Veron) by Huang *et al.* (2014b, p. 12)]***Goniastrea yaeyamaensis* Eguchi and Shirai in Shirai, 1977**

Ecological Encyclopedia of the Marine Animals of the Ryukyu Islands in Colour, p. 555

Depository unknown

Yaeyama Islands, Ryukyu Islands, Okinawa Prefecture

Recent

[= *Platygyra yaeyamaensis* (Eguchi and Shirai) by Veron (1992, p. 177)]***Goniocyathus pacificus* Yabe and Eguchi, 1932a**

Proc. Imp. Acad., vol. 8, no. 8, p. 389, fig. 2

Syntypes: IGPS 50086, 50088, 50089, 50090, 50097, 53671, 59017

“Japanese seas”

Recent

***Goniopora cellulosa* Veron, 1990**

Galaxea, vol. 9, p. 116, figs. 20, 21

Holotype: MTQ G32479

Ojioya Port, Tanegashima, Kagoshima Prefecture: 4 m in water depth

Recent

***Goniopora sagamiensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C19, pl. C28, fig. 4; pl. C29, fig. 3

Holotype: NSMT-Cor R633

Beach of Arasaki, Sagami Bay (Kanagawa Prefecture)

***Heterocyathus aequicostatus delicatus* Sakakura, 1935**

Jour. Geol. Sci. Japan, vol. 42, p. 189, pl. 5, figs. 12–16

Depository unknown

Jizodo, Yabu and Nagai, Makuta Village (Kisarazu City), Chiba Prefecture

lower Pleistocene

***Heteropsammia cochlea* var. *alta* Yabe and Eguchi, 1932e**

Japan. Jour. Geol. Geogr., vol. 10, nos. 1–2, p. 25, pl. 3, figs. 14–19, text-fig. 1

Syntypes: IGPS 38204 (1 specimen), 41050 (1 specimen)

400 m. Southeast of Jotsushowan, Tsusho-sho, Byoritsu-gun, Shinchiku-shu, Taiwan; 950 m. Southwest of Taikwa, Koriusho, Chikunan-gun, Shinchiku-shu, Taiwan

Byoritsu Bed

younger Neogene

***Heteropsammia ovalis japonica* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 157, pl. 12, figs. 21a, 21b

Syntypes: IGPS 60748 (about 100 specimens)

Kikai-zima (Kikai-jima), Kagoshima Prefecture

Riukiu Limestone (Ryukyu Group)

Pleistocene

***Heteropsammia ovalis* var. *formosensis* Yabe and Eguchi, 1932e**

Japan. Jour. Geol. Geogr., vol. 10, nos. 1–2, p. 23, figs. 6–13, pl. 3

Syntypes: IGPS 38193 (2 specimens), 41048 (1 specimen)

510 m. Southeast of Jotsushowan, Tsusho-sho, Byoritsu-gun, Shinchiku-shu, Taiwan; West of Shogunyama, Byoritsu-gai, Byoritsu-gun, Shinchiku-shu, Taiwan

Byoritsu Bed

younger Neogene

***Hydnophora bonsai* Veron, 1990**

Galaxea, vol. 9, p. 139, figs. 46, 47

Holotype: MTQ G32486

Kushimoto, Wakayama Prefecture: 4 m in water depth

Recent

***Javania Duncan*, 1876**

Proc. Zool. Soc. London 1876, no. 29, p. 434

***Javania insignis* Duncan, 1876**

Proc. Zool. Soc. London 1876, no. 29, p. 435, pl. 39, figs. 11–13

Holotype: BM 1873. 2. 20. 1

off Owase, Japanese seas, 34°13'N, 136°13'E, 48 fms (Mie Prefecture)

Recent

***Leptoria irregularis* Veron, 1990**

Galaxea, vol. 9, p. 142, figs. 49, 50

Holotype: MTQ G32489

Kayama-jima, Sekisei Lagoon, Ryukyu Islands, Okinawa Prefecture: 15 m in water depth

Recent

***Leptoseris amitoriensis* Veron, 1990**

Galaxea, vol. 9, p. 124, figs. 29, 30

Holotype: MTQ G32481

Amitori Bay, Iriomote-jima, Ryukyu Islands, Okinawa Prefecture: about 50 m in water depth

Recent

***Leptoseris columna* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 75, pl. 63, figs. 2, 2a–2d

Holotype: IGPS 64333

Palau Islands

Recent

[= *Leptoseria scabra* Vaughan, 1907 by Dinesen (1980, p. 194)]

***Leptoseria explanata* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 75, pl. 63, figs. 3, 3a–3e

Holotype: IGPS 64334

Palau Islands

Recent

[= *Leptoseria scabra* Vaughan, 1907 by Dinesen (1980, p. 194)]

***Levipalifer* Vaughan, 1900**

Proc. U. S. Nat. Mus., vol. 22, no. 1194, p. 200

Recent

***Levipalifer orientalis* Vaughan, 1900**

Proc. U. S. Nat. Mus., vol. 22, no. 1194, p. 201, pl. 14, figs. 3–7

Holotype: USNM 19391

Boshiu (= Awa), eastern coast of Japan (Chiba Prefecture)

Recent

Deltocyathus orientalis (Vaughan, 1900) (= *Levipalifer orientalis* Vaughan, 1900) is a junior secondary homonym of *D. orientalis* Duncan, 1876. Its new replacement name is *D. vaughani* Yabe and Eguchi, 1937.

***Lobophyllia (Palauphyllia)* Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 44

Recent

***Lobophyllia (Palauphyllia) hataii* Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 44, pl. 26, fig. 3; pl. 28, figs. 6, 7

Holotype: IGPS 56623*

Palau, Palau Islands

Recent

***Lobophyllia robusta* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 44, pl. 32, figs. 2–4

Holotype: IGPS 40468*; Paratypes: IGPS 40408, 40453, 40466, 40467, 40470, 40471, 40496, 44491, 47812, 48212, 48627, 49602

Holotype: Misaki, Tosashimizu, Kochi Prefecture; Paratypes: Enoura-wan, Izu Peninsula, Shizuoka Prefecture; Susaki, Kochi Prefecture; Misaki, Tosashimizu, Kochi Prefecture; Koshiki-jima (Naka-Koshiki-jima), Kagoshima Prefecture;

Kushi, Kawanabe-gun, Kagoshima Prefecture; Kikai-jima, Oshima-gun, Kagoshima Prefecture; Kita-Daito-jima, Okinawa Prefecture

Recent

***Madracis asanoi* Yabe and Sugiyama, 1936**

Proc. Imp. Acad., vol. 12, p. 349, figs. 4, 4a

Holotype: IGPS 60632

Between Angaur and Pereliu Islands, Palau: 100 fms

Recent

[Type information is indicated in Yabe and Sugiyama (1941, p. 71).]

***Madracis palaoensis* Yabe and Sugiyama, 1936**

Proc. Imp. Acad., vol. 12, p. 349, figs. 5, 5a

Holotype: IGPS 60634

Between Angaur and Pereliu Islands, Palau: 100 fms

Recent

[= *Madracis asanoi* Yabe and Sugiyama by Cairns (2009). Type information is indicated in Yabe and Sugiyama (1941, p. 71).]

***Madrepora dianthus* Esper, 1797**

Fortsetzungen der Pflanzenthiere in Abbildungen nach der Natur mit Farben erleuchtet nebst Beschreibungen. vol. 1, parts 1–2, p. 85, pl. 69, figs. 1–3

Neotype: USNM 92475

Sagami Bay, Japan (Kanagawa Prefecture ?)

Recent

[Type information is indicated in Cairns (1994, p. 27).]

***Madrepora microphthalmalma* Verrill, 1869**

Proc. Essex Inst., vol. 6, p. 83

Holotype: YPM IZ000774CN

Naha harbor, Okinawa-jima, Loo Choo (Ryukyu) Islands (Okinawa Prefecture)

Recent

[Type information is indicated in Wallace (1999, p. 10). See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Madrepora prolixa* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 22

Syntypes: USNM 412, 414

Oshima (Amami-O-shima), Oshima-gun, Kagoshima Prefecture

Recent

[= *Acropora carduus* (Dana, 1846) by Wallace (1999, p. 352). Type information is indicated in Wallace (1999, p. 10). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Madrepora pruinosa* Brook, 1893**

Catalogue of the Madreporarian Corals in the British Museum

(National History), vol. 1, p. 72, pl. 34, fig. B
Lectotype: BM 1862. 7. 16. 33*
Tsushima (Tsushima), Korea straits, Nagasaki Prefecture
Recent

[Type information is indicated in Wallace *et al.* (2012, p. 160).]

***Madrepora pumila* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 23

Holotype: USNM 389

Bonin (Ogasawara) Islands, Tokyo Metropolis

Recent

[Type information is indicated in Wallace (1999, p. 10). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Madrepora striata* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 24

Syntype: USNM 371

? Ousima (Amami-O-shima), Oshima-gun, Kagoshima Prefecture

Recent

[Type information is indicated in Wallace (1999, p. 10). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Madrepora teres* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 20

Holotype: USNM 377

Ousima (Amami-O-shima), Oshima-gun, Kagoshima Prefecture

Recent

[Type information is indicated in Wallace (1999, p. 10). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Madrepora turgida* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 19

Holotype: USNM 358

Loo Choo (Ryukyu) Islands (Okinawa Prefecture)

Recent

[= *Isopora palifera* (Lamarck, 1816) by Wallace *et al.* (2012, p. 246). Type information is indicated in Wallace (1999, p. 10). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Meandra gigantea* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 394

Holotype: IGPS 40710; Paratypes: 39785, 40741, 48208

Holotype: Misaki, Tosashimizu, Kochi Prefecture; Paratypes: Sarushima (Kou-jima), Miyazaki Prefecture; Makurazaki, Kagoshima Prefecture; Naka-Koshiki-jima, Kagoshima Prefecture

Recent

[= *Coeloria* (?) *gigantea* (Yabe and Sugiyama) by Yabe *et al.* (1936) = *Oulophyllia crispa* (Lamarck, 1816) by Veron *et al.* (1977, p. 119). Type information is indicated in Yabe *et al.* (1936, p. 37).]

***Micromussa* Veron, 2000**

Corals of the World, vol. 3, p. 8

[See *Acanthastrea amakusensis* Veron, 1990]

***Monomyces uchiuraensis* Eguchi, 1972**

Ann. Rep. Mar. Sci. Mus., Tokai Univ., no. 1, p. 160, pl. 1, figs. 1–7

Holotype: 45, Syntypes: 42, 48 (depository unknown) near Awashima, 20 m deep in Uchiura Bay, west coast of Izu Peninsula (Shizuoka Prefecture)

Recent

[Type information is indicated in Eguchi (1973, p. 84).]

***Montipora lichenoides* Verrill, 1869**

Proc. Essex Inst., vol. 6, p. 86

Holotype: YPM IZ000775CN

Naha harbor, Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture

Recent

[= *Montipora foliosa* (Pallas, 1766) by Veron and Wallace (1984, p. 110). See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz/>>]

***Montipora poritiformis* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 26

Syntype: YPM IZ002023CN

Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture: 15 m in water depth

Recent

[= *Montipora digitata* (Dana, 1846) by Veron and Wallace (1984, p. 77). See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Montipora rigida* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 26

Holotype: USNM 386

Bonin (Ogasawara) Islands, Tokyo Metropolis

Recent

[See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Odontocyathus japonicus* Yabe and Eguchi, 1932c**

Japan. Jour. Geol. Geogr., vol. 9, nos. 3, 4, p. 151, figs. 1–3, pl. 14

Holotype: IGPS 40876

Segoe near Takaoka-machi, Higashi-Morokata-gun, province of Hyuga (Miyazaki Prefecture)

Neogene

***Oulangia stokesiana* var. *miltoni* Yabe and Eguchi, 1932e**
Japan. Jour. Geol. Geogr., vol. 10, nos. 1–2, p. 29, pl. 4, figs. 1–9

Syntypes: IGPS 41051 (about 150 specimens), SHM (unknown registration number, about 20 specimens: now deposited at NSMT)

Shiogama-machi (east of the Teizan canal), province of Rikuzen (Miyagi Prefecture).

Recent

***Oxyphyllia* Yabe and Eguchi, 1935**

Proc. Imp. Acad., vol. 11, no. 9, p. 377

***Oxyphyllia aspera sugiyamai* Yabe and Eguchi, 1935**

Proc. Imp. Acad., vol. 11, no. 9, p. 377

Holotype: IGPS 40273; Paratypes: 40276, 40595

Holotype: Yura-wan, Wakayama Prefecture; Paratypes: Uwa-zima-wan, Ehime Prefecture; Makurazaki, Kagoshima Prefecture

Recent

[= *Echinophyllia orpheensis* Veron and Pichon, 1980 by Veron and Pichon (1980, p. 300). Type information is indicated in Yabe *et al.* (1936, p. 51).]

***Oxyphyllia aspera tosaensis* Yabe and Eguchi, 1935**

Proc. Imp. Acad., vol. 11, no. 9, p. 377

Holotype: IGPS 40883; Paratypes: 40313, 53042

Holotype: Misaki, Tosashimizu, Kouchi Prefecture; Paratypes: Susaki, Kouchi Prefecture; Haha-zima (Haha-jima), Ogasawara Islands, Tokyo Metropolis

Recent

[= *Echinophyllia orpheensis* Veron and Pichon, 1980 by Veron and Pichon (1980, p. 300). Type information is indicated in Yabe *et al.* (1936, p. 51).]

***Oxypora titizimaensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 53, pl. 29, figs. 4, 5; pl. 34, fig. 5; pl. 59, fig. 7

Holotype: IGPS 41393; Paratypes: IGPS 44872, 44873

Holotype: Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis; Paratypes: Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis

Recent

[= *Oxypora lacera* (Verrill) by Veron and Pichon (1980, p. 314)]

***Palauastrea* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 71

Recent

***Palauastrea ramosa* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2,

p. 71, pl. 61, figs. 3, 3a

Holotype: IGPS 41996*

Palau Islands

Recent

***Palauastrea ramosa iwayamaensis* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 72, pl. 60, figs. 4, 4a

Syntypes: IGPS 64329

Palau Islands

Recent

[= *Palauastrea ramosa* (Yabe and Sugiyama) by Veron and Pichon (1976, p. 71)]

***Pavona decussata* var. *minor* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 155

Depository unknown

Recent

***Pavona garanbiensis* Yabe and Ehara, 1936**

Proc. Imp. Acad., vol. 12, p. 25, pl. 1, figs. 3–5

Holotype: IGPS 56239

Cape Garanbi, Koshun-gun, Takao (Kaohsiung), Taiwan: 6 m in water depth

Recent

***Pavonia complanata* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 45

Holotype: YPM IZ001684CN

Okinawa-jima, Loo Choo (Ryukyu) Islands: 15 m in water depth (Okinawa Prefecture)

Recent

[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Pavonia foliosa* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 44

Holotype: USNM 413

Ousima (Amami-O-shima, Kagoshima Prefecture) or Loo Choo (Ryukyu) Islands (Okinawa Prefecture)

Recent

[See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Peponocyathus orientalis* Yabe and Eguchi, 1932b**

Proc. Imp. Acad., vol. 8, no. 9, p. 444, fig. 1

Syntypes: IGPS 43423

Kamikatetsu, Kikai-jima, Kagoshima Prefecture

Riukiu Limestone (Ryukyu Group)

Pleistocene

***Phyllangia echinosepes* Ogawa, Takahashi and Sakai, 1997**
 Publ. Seto Mar. Biol. Lab., vol. 38, nos. 1–2, p. 49, pl. 4, figs. 3, 3a
 Holotype: NSMT-Cor R565
 Hachijo Island, Tokyo Metropolis, 90 m
 Recent

***Physophyllia Duncan*, 1884**
 Jour. Linn. Soc. Zool., vol. 18, p. 118
 Recent

***Physophyllia ayleni* Wells, 1935**
 Ann. Mag. Nat. Hist. Ser. 10, vol. 15, p. 342, pl. 13, pl. 14, fig. 1
 Holotype: BM 1862. 7. 16. 46*
 Japan
 Recent

***Placotrochides? kikutii* Yabe and Eguchi, 1941**
 Bull. Biogeogr. Soc. Japan, vol. 11, no. 12, p. 104, 3 text-figs
 Holotype: IGPS 63088
 Toyama Bay (Toyama Prefecture ?)
 Recent

***Platygyra ryukyuensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 38, pl. 28, figs. 3–5
 Holotype: IGPS 48337*; Paratypes: IGPS 47190, 48204, 48238, 49743, 50746, 50757, 53078
 Holotype: Amami-O-shima, Kagoshima Prefecture; Paratypes: Okierabu-jima, Kagoshima Prefecture; Nago, Okinawa-jima, Okinawa Prefecture; Kita-Daito-jima, Shimajiri-gun, Okinawa Prefecture; Nugol, Marshall Islands; Helen, Palau Islands; Tokobei, Palau Islands
 Recent

***Plesiastrea indurata* Verrill, 1866**
 Proc. Essex Inst., vol. 5, p. 35, pl. 2, fig. 7
 Holotype: YPM IZ005624CN; Paratypes: YPM IZ006096CNA, IZ006096CNB
 Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture: 15 m in water depth
 Recent
 [See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Pocillopora gracilis* Verrill, 1869**
 Proc. Essex Inst., vol. 6, p. 90
 YPM IZ003059CN (Type status unknown)
 Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture: 15 m in water depth
 Recent
 [See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

[yale.edu/collections/search-collections?iz>](http://peabody.yale.edu/collections/search-collections?iz>)]

***Podabacia elegans* forma *plicata* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 64
 [See *Podabacia lobata* var. *elegans* forma *plicata* Yabe and Sugiyama, 1932]

***Podabacia elegans* forma *setoensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 65
 [See *Podabacia lobata* var. *elegans* forma *setoensis* Yabe and Sugiyama, 1932]

***Podabacia elegans* forma *varians* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 65
 [See *Podabacia lobata* var. *elegans* forma *varians* Yabe and Sugiyama, 1932]

***Podabacia elegans lobata* forma *kiiensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 65
 [See *Podabacia lobata* forma *kiiensis* Yabe and Sugiyama, 1932]

***Podabacia elegans lobata* forma *nomaensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 66
 [See *Podabacia lobata* forma *numaensis* Yabe and Sugiyama, 1932]

***Podabacia elegans lobata* forma *vanderhorsti* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 66
 [See *Podabacia lobata* forma *vanderhorsti* Yabe and Sugiyama, 1932]

***Podabacia formosa* Yabe and Sugiyama, 1932b**
 Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164
 Holotype: IGPS 41915; Paratypes: IGPS 40798, 41911
 Holotype: Sharyo-to, Kiirun-gun, Taiwan; Paratypes: Meitu (Meitsu), Nichinan, Miyazaki Prefecture; Syaryo-to, Kiirun-gun, Taiwan
 Recent
 [= *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.*]

(1936, p. 66).]

***Podabacia lobata* forma *kiiensis* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Holotype: IGPS 39097A; Paratypes: IGPS 36908, 36909, 44916, 45155

Holotype: Tanabe-wan, Wakayama Prefecture; Paratypes: Tanabe-wan, Wakayama Prefecture; Misaki, Tosashimizu, Kochi Prefecture; Hukusima (Fukushima), Nagasaki Prefecture; Ushibuka, Amakusa, Kumamoto Prefecture; Tomioka, Reihoku, Kumamoto Prefecture

Recent

[= *Podabacia elegans lobata* forma *kiiensis* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 65) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 65).]

***Podabacia lobata* forma *numaensis* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Holotype: IGPS 40154; Paratypes: IGPS 40153, 40155

Holotype: Hukusima (Fukushima), Saikai, Nagasaki Prefecture; Paratypes: Misaki, Tosashimizu, Kochi Prefecture; Hukusima (Fukushima), Saikai, Nagasaki Prefecture

Recent

[= *Podabacia elegans lobata* forma *nomaensis* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 66) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 66).]

***Podabacia lobata* forma *vanderhorsti* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Holotype: IGPS 39097B; Paratypes: IGPS 41914, 60623

Tanabe-wan, Wakayama Prefecture

Recent

[= *Podabacia elegans lobata* forma *vanderhorsti* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 66) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 66).]

***Podabacia lobata* var. *elegans* forma *plicata* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Syntypes: IGPS 35318, 36905, 38553

Tanabe-wan, Wakayama Prefecture; Uwazima-wan, Ehime Prefecture

Recent

[= *Podabacia elegans* forma *plicata* (Yabe and Sugiyama) by

Yabe *et al.* (1936, p. 64) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 64).]

***Podabacia lobata* var. *elegans* forma *setoensis* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Holotype: IGPS 40172; Paratype: IGPS 40152

Hukusima (Fukushima), Saikai, Nagasaki Prefecture

Recent

[= *Podabacia elegans* forma *setoensis* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 65) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 65).]

***Podabacia lobata* var. *elegans* forma *varians* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164

Holotype: IGPS 39098

Tanabe-wan, Wakayama Prefecture

Recent

[= *Podabacia elegans* forma *varians* (Yabe and Sugiyama) by Yabe *et al.* (1936, p. 65) = *Lithophyllon undulatum* Rehberg, 1892 by Hoeksema (1989, p. 216). Type information is indicated by Yabe *et al.* (1936, p. 65).]

***Podabacia nomaensis* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 120

Depository unknown

Noma (Numa) near Tateyama, Chiba Prefecture

Noma Formation

Holocene

***Porites okinawensis* Veron, 1990**

Galaxea, vol. 9, p. 111, figs. 15, 16

Holotype: MTQ G32495

Kin Bay, Okinawa-jima, Ryukyu Islands, Okinawa Prefecture: 4 m in water depth

Recent

***Porites tenuis* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 25

Holotype: USNM 407

Loo Choo (Ryukyu) Islands (Okinawa Prefecture)

Recent

[See type information on USNM web page <<http://collections.nmnh.si.edu/search/iz/>>]

***Premocyathus* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 151

***Premocyathus compressus* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 151, pl. 10, figs. 13a, 13b

Syntypes: IGPS 60747

Kikai-zima (Kikai-jima), Oshima-gun, Kagoshima Prefecture
Riukiu Limestone (Ryukyu Group)

Pleistocene

***Protolobophyllia* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 382

***Protolobophyllia japonica* Yabe and Sugiyama, 1935b**

Jour. Geol. Sci. Japan, vol. 42, p. 382

Holotype; IGPS 38554A

Noma (Numa) near Tateyama, Chiba Prefecture

Holocene

[= *Cynarina lacrymaris* (Milne Edwards and Haime) by Wells (1964, p. 377)]

***Psammocora decussata* Yabe and Sugiyama, 1937**

Proc. Imp. Acad., vol. 13, p. 426, pl. 1, fig 1

Holotype: NSMT-Cor R132*

Uken-son, Amami-O-shima, Oshima-gun, Kagoshima Prefecture: 10 m in water depth

Recent

[= *Psammocora contigua* (Esper, 1794) by Stefami *et al.* (2008, p. 86)]

***Psammocora japonica* Yabe and Sugiyama, 1931**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 14, p. 120

Depository unknown

Noma (Numa) near Tateyama, Chiba Prefecture

Noma formation

Holocene

***Psammocora parvistella* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 27

Syntype?: YPM IZ000771CN

Okinawa-jima, Loo Choo (Ryukyu) Islands, Okinawa Prefecture: 15 m in water depth

Recent

[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Psammocora vaughani* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 60, pl. 41, figs. 6, 7

Holotype: IGPS 44975*; Paratype: IGPS 44971

Holotype: Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis; Paratype: Haha-zima (Haha-jima), Ogasawara Islands, Tokyo Metropolis

Recent

[= *Psammocora nierstraszi* Van der Horst, 1921 by Benzoni *et*

al. (2010, p. 448)]

***Pseudocolumnastraea* Yabe and Sugiyama, 1933**

Japan. Jour. Geol. Geogr., vol. 11, nos. 1–2, p. 15

Recent

***Pseudocolumnastraea yamanarii* Yabe and Sugiyama, 1933**

Japan. Jour. Geol. Geogr., vol. 11, nos. 1–2, p. 15, pl. 3, figs. 2, 3; pl. 4, figs 3, 4

Holotype: IGPS 43476

Kita-daito-jima, Shimajiri-gun, Okinawa Prefecture

Recent

***Pseudosiderastrea* Yabe and Sugiyama, 1935c**

Proc. Imp. Acad., vol. 11, p. 373

***Pseudosiderastrea tayamai* Yabe and Sugiyama, 1935c**

Proc. Imp. Acad., vol. 11, p. 373, figs. 1–4

Holotype: IGPS 56525

Dobo in Wamar, Aru Islands

Recent

***Rhizopsammia munuta* var. *mutsuensis* Yabe and Eguchi, 1932f**

Sci. Rep., Tohoku Imp. Univ., 4th Ser. (Biol.), vol. 7, no. 2, p. 208, pl. 9, figs. 1–3

Holotype: IGPS 41391

littoral zone of Moura-shima, near Asamushi Marine Biological Station, Mutsu Bay (Aomori Prefecture)

Recent

***Rhizotrochus niinoi* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 154, pl. 12, figs. 4a, 4b

Holotype: IGPS 60820

near Gentatuse, Wakasa Bay (Fukui Prefecture)

Recent

***Rhombopsammia* Owens, 1986**

Proc. Biol. Soc. of Washington, vol. 99, no. 2, p. 252

***Rhombopsammia niphada* Owens, 1986**

Proc. Biol. Soc. of Washington, vol. 99, no. 2, p. 252, fig. 3

Holotype: USNM 72802

SW of Koshiki-jima, Japan, Alb-4941, 31°38.50'N, 129°19'E, 716 m (Kagoshima Prefecture)

Recent

***Saipania* Yabe and Sugiyama, 1935a**

Japan. Jour. Geol. Geogr., vol. 12, nos. 1–2, p. 5

***Saipania tayamai* Yabe and Sugiyama, 1935a**

Japan. Jour. Geol. Geogr., vol. 12, nos. 1–2, p. 5, pl. 2, figs. 1–8, pl. 3, figs. 1–4, text-figs. 1–2

Holotype: IGPS 55803
Densin-yama, Saipan Island, Mariana Islands
Paleogene

***Stephanophyllia (Letepsammia) japonica* Yabe and Eguchi, 1934**

Proc. Imp. Acad., vol. 10, no. 5, p. 281, fig. 1–3
Syntypes: IGPS 50236
Kikai-jima, Kagoshima Prefecture
Riukiu Limestone (Ryukyu Group)
Pleistocene

***Stephanophyllia superstes* Ortmann, 1888**

Zoologische Jahrbücher, vol. 3, p. 160, pl. 6, figs. 5a, b
Holotype: ZMS 890
Sagami Bay, 183–366 m (Kanagawa Prefecture ?)
Recent

***Stephanoseris japonica* Verrill, 1866**

Proc. Essex Inst., vol. 5, p. 47
Holotype: YPM IZ000767 CN
Kagoshima Bay, Kagoshima Prefecture: 20 fms (=37 m in water depth)
Recent

[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Stephanoseris lamellosa* Verrill, 1865**

Proc. Essex Inst., vol. 4, p. 149
Syntypes: YPM IZ000765CN, IZ000766CN
Okinawa-jima, Loo Choo (Ryukyu) Islands, Okiwawa Prefecture: 15 m in water depth
Recent
[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Stephanotrochus spiniger* Marenzeller, 1888b**

Annalen des K.-K. Naturhistorisches Hofmuseum Wien, vol. 3, p. 20
Holotype: Naturhistorisches Museum, Wien, ? (collection number unknown)
Enoshima, Honshu, Japan (Kanagawa Prefecture)
Recent

***Stylocoenia hanzawai* Yabe and Sugiyama, 1933**

Japan. Jour. Geol. Geogr., vol. 11, nos. 1–2, p. 11, pl. 2, figs. 1–4
Holotype: IGPS 43477; Paratypes: IGPS 38552, 40161, 40534, 40901, 41026, 50225, 51051, 54999, 55813, 56618
Holotype: Amami-O-shima, Oshima-gun, Kagoshima Prefecture; Paratypes: Enoura-wan, Shizuoka Prefecture; Tanabe-wan, Wakayama Prefecture; Amami-O-shima, Kikai-jima (Kikai-jima) and Okierabu-zima (Okierabu-jima), Kagoshima Prefecture; Hoso-zima (Hoso-jima), Miyazaki Prefecture;

Tosa-wan, Kochi Prefecture
Recent

[= *Astrocoenia hanzawai* (Yabe and Sugiyama) by Wells (1935) = *Stylocoeniella hanzawai* (Yabe and Sugiyama) by Yabe *et al.* (1936) = *Stylocoeniella armata* (Ehrenberg, 1834) by Wells (1950, p. 33). Type information is indicated in Yabe *et al.* (1936).]

***Stylocoenia japonica* Yabe and Sugiyama, 1932a**

Japan. Jour. Geol. Geogr., vol. 9, nos. 3–4, p. 153, pl. 15, figs. 1–3
Holotype: IGPS 41001
Enoura-wan, Izu Peninsula, Shizuoka Prefecture
Recent

***Stylocoenia? aokii* Yabe and Sugiyama, 1933**

Japan. Jour. Geol. Geogr., vol. 11, nos. 1–2, p. 17, pl. 3, fig. 1; pl. 4, figs. 1, 2
Holotype: IGPS 43477
Kita-daito-jima, Shimajiri-gun, Okinawa Prefecture
Daito limestone (Daito Formation)
Tertiary (Neogene)

***Stylocoeniella hanzawai* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

[See *Stylocoenia hanzawai* Yabe and Sugiyama, 1933]

***Tridacophyllia laciniata* var. *japonica* Yabe and Sugiyama, 1932b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 15, no. 2, p. 164
Holotype: IGPS 40371; Paratypes: IGPS 39112, 39113, 40296, 40297, 40325, 40351, 40352, 40369, 40370, 40372, 40376, 40448, 40479, 40481, 44909, 44915
Holotype: Tanabe-wan, Wakayama Prefecture; Paratypes: Tanabe-wan, Wakayama Prefecture; Misaki, Tosashimizu, Kochi Prefecture; Hukushima (Fukushima), Saikai, Nagasaki Prefecture; Ushibuka, Amakusa, Kumamoto Prefecture; Simanoura, Miyazaki Prefecture
Recent
[= *Tridacophyllia lactuca japonica* (Yabe and Sugiyama) by Yabe *et al.* (1936) = *Pectinia lactuca* (Pallas, 1766) by Veron (1992, p. 146). Type information is indicated in Yabe *et al.* (1936, p. 52).]

***Tridacophyllia lactuca japonica* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 52, pl. 35, figs. 1, 2
[See *Tridacophyllia laciniata* var. *japonica* Yabe and Sugiyama, 1932]

***Tridacophyllia lactuca tanabensis* Yabe and Sugiyama in Yabe, Sugiyama and Eguchi, 1936**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 1, p. 52, pl. 31, fig. 1

Holotype: IGPS 40359; Paratypes: IGPS 40377, 44945

Holotype: Tanabe-wan, Wakayama Prefecture; Paratypes: Tanabe-wan, Wakayama Prefecture, Tomioka? Reihoku, Kumamoto Prefecture

Recent

[= *Pectinia paeonia* (Dana, 1846) by Veron (1992, p. 146)]

***Trochocyathus (Thecocyathus) hanzawai* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 153, pl. 10, figs. 23a, 23b, 24a, 24b, 25a, 25b

Syntypes: IGPS 60749 (about 320 specimens)

Kikai-jima, Kagoshima Prefecture

Riukiu Limestone (Ryukyu Group)

Pleistocene

***Trochocyathus (Tropidocyathus) wellsii* Yabe and Eguchi, 1942b**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), vol. 22, no. 2, p. 153, pl. 10, figs. 22a, 22b

Holotype: IGPS 53691

Soyo-maru St. 439 (off Goto Islands) (Nagasaki Prefecture)

Recent

***Trochocyathus decamera* Cairns, 1994**

Smithsonian Contr. Zool., no. 557, p. 54, pl. 23, figs. d–e

Holotype: USNM 92693

Osumi Shoto, northern Ryukyu Islands, Japan, KT9202-YT1, 30°14.80'N, 130°46.10'E, 80–88 m (Kagoshima Prefecture)

Recent

***Trochocyathus japonica* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C34, pl. C6, figs. 4–6

Holotype: NSMT-Cor R785

off Jogashima, WSW, Sagami Bay, 150–250 m (Kanagawa Prefecture)

Recent

***Tubastraea coccinea titijimaensis* Eguchi, 1968**

The Hydrocorals and Scleractinian Corals of Sagami Bay, p. C71, pl. C17, fig. 16; pl. C31, figs. 1–4

Holotype: NSMT-Cor R895

Futami Port, Chichi-jima, Ogasawara Islands, Tokyo Metropolis

Recent

***Turbinaria dichotoma* Verrill, 1869**

Proc. Essex Inst., vol. 6, p. 89

Syntype?: YPM IZ001978CN

most probably Bonin or Loo Choo Islands (Ogasawara Islands, Tokyo Metropolis or Ryukyu Islands, Kagoshima or Okinawa Prefecture)

Recent

[See type information on YPM web page <<http://peabody.yale.edu/collections/search-collections?iz>>]

***Turbinaria immersa* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 89, pl. 98, figs. 1, 1a

Holotype: IGPS 44844

Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis

Recent

***Turbinaria ramosa* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 89, pl. 98, figs. 2, 2a, 2b

Holotype: IGPS 40909

Meitu (Meitsu), Nichinan, Miyazaki Prefecture,

Recent

***Turbinaria tayamai* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 90, pl. 97, figs. 1, 1a–1e

Syntypes: IGPS 49586, 49734

Jaluit, Marshall Islands

Recent

***Turbinaria titizimaensis* Yabe and Sugiyama, 1941**

Sci. Rep., Tohoku Imp. Univ., 2nd Ser. (Geol.), Spec. vol. 2, p. 90, pl. 97, fig. 3; pl. 98, figs. 2, 2a–2c

Holotype: IGPS 40239

Titi-zima (Chichi-jima), Ogasawara Islands, Tokyo Metropolis

Recent

[= *Turbinaria stellulata* (Lamarck, 1816) by Veron (1992, p. 201)]

References are available from following URL.

<http://www.palaeo-soc-japan.jp/en/publications/sp43-ref.html>

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