

CATALOGUE OF TYPE AND ILLUSTRATED SPECIMENS  
IN THE DEPARTMENT OF HISTORICAL GEOLOGY AND PALAEONTOLOGY  
OF THE UNIVERSITY MUSEUM, UNIVERSITY OF TOKYO

PART I. PALEOZOIC AND MESOZOIC FOSSILS

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and

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University Museum, University of Tokyo

University Museum, University of Tokyo

Material Reports No.2, 1978

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REQUEST

To our regret, a considerable number of type and illustrated specimens to be preserved in this Museum are now missing. Any information about the place where "missing specimens" in this catalogue are actually kept would be greatly appreciated.

The Curators

Department of Historical Geology and Palaeontology  
The University Museum, University of Tokyo  
Hongo 7-3-1, Bunkyo-ku, Tokyo 113  
[Tel. 03-812-2111, ext. 7584]

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## FOREWORD

When World War II was drawing to a close, air raids on the city of Tokyo by the United States B-29s became only a question of time. We students worked day and night to pack our specimens to evacuate them to a safe place in the country. In 1944, in the midst of utter confusion during the compulsory evacuation of the town, the specimens left Tokyo for a rustic temple at Oishida, Yamagata Prefecture. When the war came to an end in 1945, Tokyo had been reduced to ruins and the whole country was plunged into confusion. The university fortunately escaped the fire, but all we could do was to make a bare living. The specimens, returned to the Geological Institute, were stacked in a storeroom of the basement; left without being unpacked, they became covered with dust.

Overcoming these difficulties, paleontological studies were resumed under the direction of Professor Teiichi Kobayashi soon after the war's end. In 1948, a new procedure of registration of type specimens was applied to some of the newly described fossil species. The procedure was so simple, pertinent, and convenient that it gradually replaced the traditional ones to become the rule for our type registration. The credit for the proposal of the new procedure now employed by our department of the University Museum goes to Dr. Koichiro Ichikawa, Professor at Osaka City University, at that time a graduate student of our university.

A few years before Professor Kobayashi's retirement from his professorship in 1960, a large number of trilobite and nautiloid specimens described by him during his tenure were set in order by Mr. Takeo Ichikawa. Regular curatorial work after the war started again about that time. In the later half of the 1950's, volunteer staff members and students belonging to the paleontology section of the Geological Institute, with Professor Fuyuji Takai in the lead, spent half a day once a week for about five years in curatorial work, believing in the importance of the type method in modern taxonomy. Most of the Cenozoic Molluscan types described by the late Professor Matajiro Yokoyama were thus arranged in proper order. Later publication of the revisional work by Dr. Katsura Oyama on Yokoyama's type Mollusca from the Tertiary and Quaternary of the Kanto area was made possible by these efforts.

In 1966, all the type specimens were transferred from the Geological Institute to the Department of Historical Geology and Palaeontology of the newly constructed Shiryokan, a building for storage of research materials. It was wishfully called the University Museum, but it actually required a decade of hardships to undergo a change from a storage Shiryokan at the time of inauguration to the present research Museum.

Recently, curatorial work has been advanced quite rapidly by Mr. T. Ichikawa. He is finally completing all the registration and a first draft of the catalogue of the type and illustrated specimens kept in our department of the Museum. The type specimens are grouped as they are in the relevant publications, and deposited with the published descriptions of the species and other members of the hypodigms<sup>1)</sup> of the original describers. Thus the indirect causal relations between the scientific name as a symbol and the species as a referent<sup>2)</sup> at the time of original description are ready for analysis with the aid of the function of a type specimen as a name-bearer<sup>1)</sup>. Unfortunately, however, many of the classical authors failed in designating the type specimens and thus created an ambiguous situation. Dr. Itaru Hayami has given the finishing touch to the catalogue by checking it especially in terms of the International Rules of Zoological Nomenclature.

The post-war rearrangement of the type collection has just been finished, and we can say that the type specimens which once left Tokyo and returned again to the university are even more conveniently arranged than before the war. We owe thanks for this situation to Dr. I. Hayami of the University Museum, and to Mr. T. Ichikawa and the former and present staff members and students of the paleontology section of the Geological Institute who made significant contributions during the thirty long years of effort toward the consolidation of the taxonomic foundations necessary for the further development of paleontology.

Tetsuro Hanai

1) G. G. Simpson, 'Types in Modern Taxonomy', *American Journal of Science*, vol.238, no.6, pp.413-431 (1940)

2) C. K. Ogden and I. A. Richard, *The Meaning of Meaning*, London, 1923.



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CATALOGUE OF TYPE AND ILLUSTRATED SPECIMENS  
IN THE DEPARTMENT OF HISTORICAL GEOLOGY AND PALAEONTOLOGY  
OF THE UNIVERSITY MUSEUM, UNIVERSITY OF TOKYO

PART I. PALEOZOIC AND MESOZOIC FOSSILS

by

Takeo ICHIKAWA and Itaru HAYAMI

Introduction

In 1877, just one century ago, the University of Tokyo was established, and scientific research on Japanese fossils and teaching of paleontology were begun by Professor Edmund Naumann and other foreign lecturers. Since then, many paleontological papers have been published by successive teachers and students of the Geological Institute and other departments of this university, and a large number of fossil specimens have been accumulated. Type and illustrated (or described) specimens are irreplaceable and especially important; they must be safely preserved and arranged as taxonomic bases for further investigations. In the earlier half of the above period taxonomists seldom had any solid concept of type specimens, but it is quite fortunate that successive staff members of the Geological Institute continued to preserve many described specimens. All the collections of this institute fell into great confusion during the Second World War, but most of them were saved from the fire. Now, we can distinguish the described specimens within the collections by comparison with original illustrations, even if their labels have been lost or damaged.

Some authors before the War already used private specimen numbers in their own manner. Many Cretaceous fossils, whether described or undescribed, were once registered with the prefix Cr. or I. In 1948, the general rules of registration of described specimens, which are still fundamentally valid, were established by some students, and occasional curatorial works were made under the direction of Professors Teiichi Kobayashi and Fuyuji Takai. During this period, however, registration and storage of described specimens were almost entirely entrusted to each author, and the system of

care remained far from ideal. On the occasion of the 25th Anniversary of the Palaeontological Society of Japan, "Catalogue of Type-specimens of Fossils in Japan" (Hanzawa, S., Asano, K. and Takai, F. compiled, 1961) was published by the Society, but at that time only a part of type specimens in the Geological Institute was registered.

In 1966, the University Museum was established in the University of Tokyo, and all the described specimens of fossils as well as other collections were transferred from the Geological Institute to it. Since then, the Department of Historical Geology and Palaeontology of the Museum has been taking care of preservation and arrangement. For the past several years one of us (T. I.) has been continuing regular curatorial work on the specimens of Paleozoic and Mesozoic fossils under the direction of Professor Tetsuro Hanai and very recently has completed the registration and arrangement. At present, mainly Professor Hanai and the two of us are taking care of these specimens in the type room of this Department. Although more than 10 percent of described specimens are, to our regret, still missing, the remaining ones are presently arranged by descriptive papers (i. e. authors and dates), because we believe it is probably the most convenient way not only for the curators but also for visitors.

Reflecting the history of paleontological researches in this university, most Paleozoic and Mesozoic described specimens are of larger invertebrates: trilobites, cephalopods and bivalves are especially abundant. On the contrary, microorganisms, vertebrates and plants are comparatively few. The type and illustrated specimens (including missing ones) total 5835, are made up as follows:

|                                  |      |
|----------------------------------|------|
| Paleozoic Plantae                | 26   |
| Paleozoic Protozoa               | 237  |
| Paleozoic Porifera               | 3    |
| Paleozoic Coelenterata           | 56   |
| Paleozoic Brachiopoda            | 266  |
| Paleozoic Mollusca               | 605  |
| Paleozoic Arthropoda             | 2018 |
| Paleozoic Echinodermata          | 17   |
| Paleozoic Worms and Problematica | 8    |

|                        |      |
|------------------------|------|
| Paleozoic Hemicordata  | 4    |
| Paleozoic Vertebrata   | 1    |
| Mesozoic Plantae       | 43   |
| Mesozoic Protozoa      | 24   |
| Mesozoic Coelenterata  | 3    |
| Mesozoic Brachiopoda   | 103  |
| Mesozoic Mollusca      | 2256 |
| Mesozoic Arthropoda    | 128  |
| Mesozoic Echinodermata | 6    |
| Mesozoic Vertebrata    | 31   |

Besides, some type and illustrated specimens of Mesozoic plants are preserved in the Department of Botany of this Museum, but they are not listed in this catalogue.

We express our sincere gratitude to Professor Tetsuro Hanai for his supervision throughout this curatorial work and his warm encouragement. Professor Emeritus Teiichi Kobayashi (University of Tokyo) and Professor Emeritus Tatsuro Matsumoto (Kyushu University) gave us useful information at our requests during the preparation of this catalogue. Acknowledgments are also due to many successive staff members and students in the Geological Institute of University of Tokyo who laid a foundation of the present arrangement and registration of specimens; without their efforts the present catalogue would not have been accomplished.

## Registration of specimens

In order to meet the convenience of visitors and investigators we state here the following traditional policy of registration of specimens in the Department of Historical Geology and Palaeontology, the University Museum, University of Tokyo.

1) The following rules are concerned only with described specimens (including replicas) of organisms, whether living or fossil, which are preserved or to be preserved in the Department.

2) Each individual (or colony) of type and illustrated specimens has one specific register number. (Therefore, the same number is given to the mould and cast, if they originated from one and the same individual.) Different individuals on the same inseparable slab or block should be distinguished by different registration numbers or at least by different suffix a, b, c,.... As to described but unfigured specimens, however, more than one individual may be treated collectively under a single registration number.

3) Two capital letters indicating the age (Era) and taxonomic position (Phylum, etc.) should be prefixed to each registration number.

First letter (age):

P: Paleozoic, M: Mesozoic, C: Cenozoic, R: Recent

Second letter (taxonomic position)

P: Plantae, F: Protozoa, S: Porifera, C: Coelenterata, B: Brachiopoda and Bryozoa, M: Mollusca, A: Arthropoda, E: Echinodermata, H: Hemichordata, V: Vertebrata, W: "Worms" and Problematica

Once determined the prefix is not altered, even if the age or taxonomic position is changed after registration.

4) Deposition and registration of described specimens should be made by the author of each paper in consultation with the curator in the Department. The author (or curator entrusted by the author) is requested to enter the necessary details (taxonomic name, locality, horizon, reference with numbers of page, plate and figure, etc.) in a register book. Without this procedure any registration number cited in papers might be invalidated.

5) The author is requested to present two copies of the relevant publication to the Department for curatorial purposes.

LIST OF TYPE AND ILLUSTRATED SPECIMENS BY PAPERS

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The format of this catalogue is fundamentally in agreement with the method of arrangement in the type room of this Department. Relevant descriptive papers (shown by bold-faced letters) are alphabetically arranged by author names (and dates), and the type and illustrated specimens in the same paper are listed in order of registration numbers. Some missing specimens, mentioned in old papers, which are not yet registered, are not listed here. Taxonomic names are uncritically listed, since their modernization over so diverse taxonomic groups is clearly beyond our ability. Only some typographical, grammatical and other evident errors in their original spelling are corrected. Categories of type specimens, namely holotype (by original designation and monotypy), paratype, syntype, lectotype and paralectotype, are critically examined by one of us (I. H.) in accordance with the International Code of Zoological Nomenclature. However, the true status of "syntypes" in the listed specimens cannot always be confirmed, because some of them may have been designated as lectotypes and paralectotypes by subsequent taxonomic studies at home and abroad. The registration numbers with an asterisk indicate that only replicas (plaster casts, etc.) of original specimens are preserved or to be preserved in this Department. Horizons and localities are, of course, indispensable information for further investigations, but they are not mentioned in this catalogue, because we believe that most investigators and visitors will observe these described specimens after having seen the original papers. In most cases we could hardly give any more detailed information about the horizons and localities than written in the original descriptions.

\*\*\*\*\*

AMANO

Amano, M. (1955): Occurrence of a new species of *Pleuronectites* in the Triassic of Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.17, pp.23-28, pl.5.

- MM6452. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.1. Holotype. (missing)  
MM6453. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.2. Paratype. (missing)  
MM6454. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.2. Paratype. (missing)  
MM6455. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.4,4'. Paratype. (missing)  
MM6456. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.5. Paratype. (missing)  
MM6457. *Pleuronectites hirabarensis* Amano, p.25, pl.5, fig.6. Paratype. (missing)

Amano, M. (1957): The Lower Cretaceous fauna from Hagino in southern Shikoku, Japan. *Kumamoto Jour. Sci.*, ser.B, sec.1, vol.2, no.2, pp. 77-121, pls.1,2.

- MM6458. *Cucullaea* aff. *acuticarinata* Nagao, p.81, pl.1, fig.4.  
MM6459. *Cucullaea* aff. *acuticarinata* Nagao, p.81, pl.1, fig.5.  
MM6460. *Trigonoarca* (?) *obliquata* Amano, p.82, pl.1, fig.6. Holotype.  
MM6461. *Trigonoarca* (?) *obliquata* Amano, p.82, pl.1, fig.7. Paratype.  
MM6462. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, fig.17.  
MM6463. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, fig.18.  
MM6464. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, fig.21.  
MM6465. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, fig.22.  
MM6466a. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, figs.23,28.  
MM6467. *Pecten* (*Neithea*) cfr. *morrisi* (Pictet and Renevier), p.88, pl.1, fig.25.  
MM6466b. *Modiolus falcatus* Amano, p.91, pl.2, fig.6. Paratype.

Other type and illustrated specimens are neither preserved nor registered in this museum.

AMANO - FUKADA

Amano, M. and Marui, N. (1958): On the new species of *Spondylus* from the Cretaceous formation in Nagano Prefecture. *Kumamoto Jour. Sci.*, ser.B, sec.1, vol.3, no.1, pp.27-30, pl.2.

MM6468. *Spondylus japonicus* Amano and Marui, p.27, pl.2, fig.1. Holotype.

MM6469. *Spondylus japonicus* Amano and Marui, p.27, pl.2, fig.2. Paratype.

Fukada, A. (1950): On the occurrence of *Perisphinctes* (s. s.) from the Ozika Peninsula in the southern Kitakami mountainland. *Jour. Fac. Sci. Hokkaido Univ.*, ser.4, vol.7, no.3, pp.211-216, pl.1.

MM6470. *Perisphinctes* (*Perisphinctes*) *ozikaensis* Fukada, pl.1, fig.1. Holotype.



HAMADA

Hamada, T. (1956): *Halysites kitakamiensis* Sugiyama from the Gotlandian formation in the Kuraoka district, Kyushu, Japan. *Japan. Jour. Geol. Geogr.*, vol.27, nos.2-4, pp.133-141, pl.9.

PC7264a. *Halysites kitakamiensis* Sugiyama, p.134, pl.9, figs.1,5.

PC7264b. *Halysites kitakamiensis* Sugiyama, p.134, pl.9, figs.2,4.

PC7265. *Halysites kitakamiensis* Sugiyama, p.134, pl.9, figs.3,6. text-fig.1.

Hamada, T. (1957): On the septal projection of the Halysitidae. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.10, part 3, pp.383-391, pl.6.

PC7301. *Catenipora escharoides* Lamarck, p.386, pl.6, figs.4-8.

PC7379. *Halysites nitida* (Lambe), p.389, pl.6, figs.1,2.

PC7380. *Catenipora* sp., p.389, pl.6, fig.3.

Hamada, T. (1958): Japanese Halysitidae. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 2, pp.91-114.

PC7250. *Catenipora* ? sp., p.97, pl.6, fig.6.

PC7251. *Falsicatenipora japonica* (Sugiyama), p.99, pl.6, fig.1.

PC7252. *Falsicatenipora japonica* (Sugiyama), p.99, pl.6, fig.2.

PC7253a. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.6, figs. 4,5. Holotype.

PC7253b. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.7, figs. 6,7. Holotype.

PC7255. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.7, fig.1. Paratype.

PC7256. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.7, figs. 2,3. Paratype.

PC7257. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.7, fig.4. Paratype.

PC7258. *Falsicatenipora shikokuensis* Noda and Hamada, p.99, pl.7, fig.5. Paratype.

PC7260. *Schedohalysites kitakamiensis* (Sugiyama), p.100, pl.6, fig.3.

PC7261. *Schedohalysites kitakamiensis* (Sugiyama), p.100, pl.8, fig.4.

PC7262. *Schedohalysites kitakamiensis* (Sugiyama), p.100, pl.8, fig.5.

PC7269. *Acanthohalysites kuraokensis* Hamada, p.101, pl.8, figs.1-3. Holotype.

PC7271. *Halysites cratus* Etheridge, p.101, pl.10, figs.5,6a,b.

HAMADA

Hamada, T. (1958): continued

- PC7272. *Halysites süssmilchi* Etheridge, p.102, pl.9, figs.1-3.  
PC7273. *Halysites süssmilchi* Etheridge, p.102, pl.9, fig.4.  
PC7275. *Halysites tenuis* Hamada, p.103, pl.9, figs.5,6, pl.10, fig.1.  
Holotype.  
PC7276. *Halysites bellulus* Hamada, p.103, pl.10, figs.2-4. Holotype.  
PC7277. *Quepora* cfr. *sindoensis* (Ozaki), p.106, pl.8, figs.6,7.  
PC7278. *Halysites* ? sp., p.104, text-fig.3.

Hamada, T. (1959a): Corallum growth of the Halysitidae. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 3, pp.273-289, pls.12-15.

- PC7300. *Catenipora rubra* Sinclair and Bolton, p.281, pl.12, figs.3-7.  
PC7301. *Catenipora escharoides* Lamarck, p.277, pl.13, fig.5a,b.

Other illustrated specimens are preserved in the Tohoku University.

Hamada, T. (1959a): Discovery of a Devonian ostracod in the Fukuji district, Gifu Prefecture, west Japan. *Japan. Jour. Geol. Geogr.*, vol.30, pp.39-51.

- PA7279. "*Leperditia*" *japonica* Hamada, p.43, text-figs.a-c.

Hamada, T. (1959b): Gotlandian shelly fauna from southwest Japan (1).

*Coronocephalus kobayashii*, a new species from the Kuraoka district, Kyushu. *Japan. Jour. Geol. Geogr.*, vol.30, pp.71-88, pl.6.

- PA7280. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.1a,b. Holotype.  
PA7281. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.2a,b. Paratype.  
PA7282. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.3. Paratype.  
PA7283a. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.4a-c. Paratype.  
(missing)  
PA7283b. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.5. Paratype.  
(missing)  
PA7284. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.6. Paratype.  
PA7285. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.7. Paratype.  
PA7286. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.8. Paratype.  
PA7287. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.9a,b. Paratype.  
PA7288. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.10. Paratype.  
(missing)

HAMADA

Hamada, T. (1959b): continued

- PA7289. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.11. Paratype.  
PA7290. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.12. Paratype.  
PA7291. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.13a,b. Paratype.  
PA7292. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.14a. Paratype.  
PA7293a. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.14b. Paratype.  
PA7293b. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.1c. Paratype.  
PA7294. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.15. Paratype.  
(missing)  
PA7295. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.16. Paratype.  
PA7296. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.17. Paratype.  
PA7297. *Coronocephalus kobayashii* Hamada, p.80, pl.6, fig.18. Paratype.

Hamada, T. (1959c): On the taxonomic position of *Favosites hidensis* and its Devonian age. *Japan. Jour. Geol. Geogr.*, vol.30, pp.201-213, pl. 16.

- PC7301a-c. *Favosites hidensis* Kamei, p.208, pl.16, fig.1a-c.  
PC7302a. *Favosites hidensis* Kamei, p.208, pl.16, fig.2.  
PC7303. *Favosites hidensis* Kamei, p.208, pl.16, fig.3  
PC7304. *Favosites hidensis* Kamei, p.208, pl.16, fig.4.  
PC7305a. *Favosites hidensis* Kamei, p.208, pl.16, fig.5.  
PC7305b. *Favosites hidensis* Kamei, p.208, pl.16, fig.6.  
PC7306. *Favosites hidensis* Kamei, p.208, pl.16, fig.7. (missing)  
PC7307. *Favosites hidensis* Kamei, p.208, pl.16, fig.8.  
PC7308a. *Favosites hidensis* Kamei, p.208, pl.16, fig.9a,b.  
PC7308b. *Favosites hidensis* Kamei, p.208, pl.16, fig.10.  
PC7308c. *Favosites hidensis* Kamei, p.208, pl.16, fig.11.  
PC7309a,b. *Favosites hidensis* Kamei, p.208, pl.16, fig.12a,b.

Hamada, T. (1960): Some Permo-Carboniferous fossils from Thailand. *Sci. Paper. Coll. General Educ., Univ. Tokyo*, vol.10, no.2, pp.337-361, pls. 1-2.

- PB7312. *Brachythyryna thailandica* Hamada, p.356, pl.2, fig.1a-c. Holotype.  
PB7313. *Fusella* cf. *convoluta* (Phillips), p.355, pl.2, fig.2a,b.

HAMADA

Hamada, T. (1960): continued

- PB7314. *Punctospirifer* sp., p.357, pl.2, fig.4a-c.
- PB7315. *Kitakamithyris buravasi* Hamada, p.353, pl.2, fig.5a-c. Syntype.
- PB7316. *Kitakamithyris buravasi* Hamada, p.353, pl.2, fig.5d,e. Syntype.
- PB7317. "*Linoproductus*" cf. *umariensis* (Reed), p.351, pl.2, fig.6a-c.
- PC7318. *Lithostrotion* [*Siphonodendron*] cf. *petalaxoidea* YH, p.346, pl.1, fig.1. (missing)
- PC7319. *Lithostrotion* [*Siphonodendron*] cf. *petalaxoidea* YH, p.346, pl.1, fig.2a,b. (missing)
- PC7320. *Lithostrotion* [*Siphonodendron*] cf. *petalaxoidea* YH, p.346, pl.1, fig.3. (missing)
- PC7321. *Heterocaninia pauciradiale* Hamada, p.348, pl.1, fig.4. Syntype. (missing)
- PC7322. *Heterocaninia pauciradiale* Hamada, p.348, pl.1, fig.5. Syntype. (missing)
- PC7323. *Heterocaninia pauciradiale* Hamada, p.348, pl.1, fig.6. Syntype. (missing)
- PC7324. *Heterocaninia pauciradiale* Hamada, p.348, pl.1, fig.7. Syntype. (missing)
- PC7325. *Heterocaninia pauciradiale* Hamada, p.348, pl.1, fig.8. Syntype.
- PC7326. *Yatsengia* cf. *asiatica* Huang, p.350, pl.1, fig.9. (missing)
- PC7327. *Yatsengia* cf. *asiatica* Huang, p.350, pl.1, fig.10. (missing)
- PC7328. *Yatsengia* cf. *asiatica* Huang, p.350, pl.1, fig.11. (missing)

HANAI

Hanai, T. (1951): Cretaceous non-marine Ostracoda from the Sungari Group in Manchuria. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, parts 6-10, pp.403-430, pls.1,2.

- MA8501. *Cypridea (Cypridea) subvaldensis* Hanai, p.410, pl.2, fig.1. Holotype. (missing)
- MA8502. *Cypridea (Cypridea) subvaldensis* Hanai, p.410, pl.2, fig.2. Paratype.
- MA8503. "*Cypris*" *subtriangularis* Hanai, p.418, pl.2, fig.6. Holotype.
- MA8504. "*Cypris*" *subtriangularis* Hanai, p.418, pl.2, figs.7,8. Paratype.
- MA8505. *Potamocypris ? itunghensis* Hanai, p.421, pl.2, fig.9. Holotype.
- MA8507. *Eucypris manchurica* Hanai, p.417, pl.1, figs.1,2. Holotype.
- MA8508. *Candona liaoningensis* Hanai, p.426, pl.2, fig.5. Holotype. (missing)
- MA8509. *Cypridea (Cypridea) sungariana* Hanai, p.414, pl.1, fig.11. Holotype.
- MA8510. *Cypridea (Cypridea) sungariana* Hanai, p.414, pl.1, fig.12. Paratype.
- MA8511. *Cypridea (Cypridea) sungariana* var. *anodosa* Hanai, p.415, pl.1, fig.13. Holotype. (missing)
- MA8512. *Candona liaoningensis* Hanai, p.426, pl.2, fig.4. Paratype. (missing)
- MA8513. *Cypridea (Cypridea) metacyproides* Hanai, p.415, pl.1, fig.5. Holotype.
- MA8514. *Cypridea (Cypridea) metacyproides* Hanai, p.415, pl.1, fig.4. Paratype. (missing)
- MA8515. *Cypridea (Cypridea) tuberculatiformis* Hanai, p.416, pl.1, fig.8. Holotype. (missing)
- MA8516. *Cypridea (Cypridea) tuberculatiformis* Hanai, p.416, pl.1, fig.9. Paratype. (missing)
- MA8517. *Candona takagii* Hanai, p.425, pl.2, figs.11,12. Holotype.
- MA8518. *Candona gigantea* Hanai, p.426, pl.2, fig.10. Holotype. (missing)
- MA8519. *Cypridea (Cypridea) sungariana* var. *anodosa* Hanai, p.415, pl.1, fig.10. Paratype. (missing)
- MA8520. *Gomphocythere ? tiehlensis* Hanai, p.427, pl.1, fig.3. Holotype. (missing)
- MA8521. *Cypridopsis parallela* Hanai, p.420, pl.2, fig.14. Holotype. (missing)
- MA8522. *Cypridopsis parallela* Hanai, p.420, pl.2, fig.13. Paratype. (missing)

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Hanai, T. (1951): continued

- MA8523. *Paracyprretta* ? *petila* Hanai, p.423, pl.1, fig.6. Holotype. (missing)  
MA8524. *Paracyprretta* ? *petila* Hanai, p.423, pl.1, fig.7. Paratype.  
MA8525. *Cypridea* (*Cypriidea*) *subvaldensis* Hanai, p.410, pl.2, fig.3. Paratype.

Hanai, T. (1953): Lower Cretaceous belemnites from Miyako district, Japan.  
*Japan. Jour. Geol. Geogr.*, vol.23, pp.63-80, pls.5-7.

- MM2530. *Neohibolites* cfr. *semicanaliculatus* (Blainville), p.68, pl.5, fig.9a,b.  
MM2531. *Neohibolites miyakoensis* Hanai, p.69, pl.5, fig.3a,b. Holotype.  
MM2532. *Neohibolites miyakoensis* Hanai, p.69, pl.5, fig.8a,b. Paratype.  
MM2533. *Neohibolites miyakoensis* Hanai, p.69, pl.5, fig.4a,b. Paratype. (missing)  
MM2534. *Neohibolites miyakoensis* Hanai, p.69, pl.5, fig.6, pl.7, fig.1. Paratype.  
MM2535. *Neohibolites miyakoensis* Hanai, p.69, pl.5, fig.7a,b. Paratype.  
MM2536. *Neohibolites miyakoensis* Hanai, p.69, pl.6, fig.1, pl.7, fig.3. Paratype.  
MM2537. *Neohibolites miyakoensis* Hanai, p.69, pl.6, figs.2,4,5, pl.7, fig.2. Paratype.  
MM2538. *Neohibolites* sp., p.78, pl.5, fig.5a,b.  
MM2539. *Neohibolites eguchii* Hanai, p.78, pl.5, fig.2a,b. Holotype.  
MM2540. *Neohibolites eguchii* Hanai, p.78, pl.5, fig.1a,b. Paratype.

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Hayami, I. (1957a): Liassic Bakevellia in Japan. *Japan. Jour. Geol.*

*Geogr.*, vol.28, nos.1-3, pp.47-59, pls.2,3.

- MM2651. *Bakevellia trigona* (Yokoyama), p.51, pl.2, fig.1a-c.  
MM2652. *Bakevellia trigona* (Yokoyama), p.51, pl.2, fig.5.  
MM2653. *Bakevellia trigona* (Yokoyama), p.51, pl.2, fig.4.  
MM2654. *Bakevellia trigona* (Yokoyama), p.51, pl.2, fig.2.  
MM2655. *Bakevellia magnissima* Hayami, p.52, pl.2, fig.9. Holotype.  
MM2656. *Bakevellia magnissima* Hayami, p.52. Paratype.  
MM2657. *Bakevellia magnissima* Hayami, p.52, pl.3, fig.1. Paratype.  
MM2658. *Bakevellia magnissima* Hayami, p.52, pl.2, fig.6a,b. Paratype.  
MM2659. *Bakevellia magnissima* Hayami, p.52, pl.2, fig.10. Paratype.  
MM2660. *Bakevellia otariensis* Hayami, p.53, pl.3, fig.4. Holotype.  
MM2661. *Bakevellia otariensis* Hayami, p.53, pl.3, fig.3. Paratype.  
MM2662. *Bakevellia otariensis* Hayami, p.53, pl.3, fig.2. Paratype.  
MM2663. *Bakevellia otariensis* Hayami, p.53, pl.3, fig.5. Paratype.  
MM2664. *Bakevellia negoyensis* Hayami, p.54, pl.3, fig.6a,b. Holotype.  
MM2665. *Bakevellia negoyensis* Hayami, p.54. Paratype.  
MM2666. *Bakevellia negoyensis* Hayami, p.54. Paratype.  
MM2667. *Bakevellia ohishiensis* Hayami, p.56, pl.3, fig.10. Holotype.  
MM2668. *Bakevellia ohishiensis* Hayami, p.56, pl.3, fig.11. Paratype.  
MM2669. *Bakevellia* (s. l.) *cassianelloides* Kobayashi and Hayami, p.57, pl.3, fig.7. Holotype.  
MM2670. *Bakevellia* (s. l.) *cassianelloides* Kobayashi and Hayami, p.57, pl.3, fig.8a-c. Paratype.  
MM2671. *Bakevellia* (s. l.) *cassianelloides* Kobayashi and Hayami, p.57, pl.3, fig.9. Paratype.  
MM7175. *Bakevellia trigona* (Yokoyama), p.51, pl.2, fig.3. Lectotype.  
[see also Yokoyama (1904)]

Hayami, I. (1957b): Liassic Gervillia and Isognomon in Japan. *Japan.*

*Jour. Geol. Geogr.*, vol.28, nos.1-3, pp.95-106, pls.6,7.

- MM2672. *Gervillia* (*Cultriopsis*) *shizukawensis* Hayami, p.97, pl.6, fig.1. Holotype.  
MM2673. *Gervillia* sp., p.98, pl.6, fig.2.  
MM2674. *Gervillia* (*Cultriopsis* ?) sp., p.98, pl.6, fig.3.  
MM2675. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.3.

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Hayami, I. (1957b): continued

- MM2676. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.6.  
MM2677. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.8.  
MM2678. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.5a,b.  
MM2679. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.7.  
MM2680. *Isognomon (Mytiloperna) ageroensis* Hayami, p.101, pl.6, fig.4. Holotype.  
MM2681. *Isognomon (Mytiloperna) ageroensis* Hayami, p.101, pl.6, fig.6. Paratype.  
MM2682. *Isognomon (Mytiloperna) ageroensis* Hayami, p.101, pl.6, fig.5. Paratype.  
MM2683. *Isognomon (Mytiloperna) ageroensis* Hayami, p.101, pl.6, fig.7. Paratype.  
MM2684. *Isognomon (Mytiloperna) ageroensis* Hayami, p.101, pl.6, fig.8. Paratype.  
MM2685. *Isognomon* cfr. *rikuzenicus* (Yokoyama), p.100, pl.7, fig.1.  
MM2686. *Isognomon* cfr. *rikuzenicus* (Yokoyama), p.100, pl.7, fig.2.  
MM2687. *Isognomon* a sp., p.101, pl.7, fig.9.  
MM2688. *Isognomon* b sp., p.101, pl.7, fig.10.  
MM7176. *Isognomon rikuzenicus* (Yokoyama), p.99, pl.7, fig.4. Holotype. [see also Yokoyama (1904)]

Hayami, I. (1957c): On the occurrence of *Cardinioides* from the Liassic Kuruma Group in central Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.26, pp.69-73, pl.12.

- MM2637. *Cardinioides varidus* Hayami, p.70, pl.12, fig.1. Holotype.  
MM2638. *Cardinioides varidus* Hayami, p.70, pl.12, fig.2. Paratype.  
MM2639. *Cardinioides varidus* Hayami, p.70, pl.12, fig.5. Paratype.  
MM2640. *Cardinioides varidus* Hayami, p.70, pl.12, fig.3. Paratype.  
MM2641. *Cardinioides varidus* Hayami, p.70, pl.12, fig.4. Paratype.  
MM2642. *Cardinioides varidus* Hayami, p.70, pl.12, fig.6. Paratype.  
MM2643. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.7. Holotype.  
MM2644. *Cardinioides ovatus* Hayami, p.71. Paratype.  
MM2645. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.8. Paratype.  
MM2646. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.11. Paratype.  
MM2647. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.9. Paratype.



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Hayami, I. (1957c): continued

MM2648. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.10. Paratype.

MM2649. *Cardinioides ovatus* Hayami, p.71, pl.12, fig.12. Paratype.

MM2650. *Cardinioides* (?) sp., p.73, text-fig.1.

Hayami, I. (1957d): *Radulonectites*, a new pectinid genus, from the Liassic Kuruma Group in Central Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.27, pp.89-93, pl.16.

MM2689. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.2a-d. Holotype.

MM2690. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.1a,b. Paratype.

MM2691. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.6a,b. Paratype.

MM2692. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.3a,b. Paratype.

MM2693. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.4a,b. Paratype.

MM2694. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.5. Paratype.

MM2695. *Radulonectites japonicus* Hayami, p.90, pl.16, fig.7. Paratype.

MM2696. *Radulonectites japonicus* var. *convexus* Hayami, p.92, pl.16, fig.8. Holotype.

Hayami, I. (1957e): Liassic *Chlamys*, "*Camptonectes*" and other pectinids from the Kuruma Group in central Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.28, pp.119-127, pl.20.

MM2697. *Chlamys kurumensis* Kobayashi and Hayami, p.119, pl.20, fig.1a,b. Holotype.

MM2698. *Chlamys kurumensis* Kobayashi and Hayami, p.119. Paratype.

MM2699. *Chlamys* cf. *kurumensis* Kobayashi and Hayami, p.119, pl.20, fig. 2a,b.

MM2700. *Chlamys kotakiensis* Takai and Hayami, p.119, pl.20, fig.5. Holotype.

MM2701. *Chlamys kotakiensis* Takai and Hayami, p.119, pl.20, fig.3. Paratype.

MM2702. *Chlamys kotakiensis* Takai and Hayami, p.119, pl.20, fig.4. Paratype.

MM2703. *Chlamys kotakiensis* Takai and Hayami, p.119. Paratype.

MM2704. *Chlamys* sp., p.122, pl.20, fig.6.

MM2705. "*Camptonectes*" *oishii* Kobayashi and Hayami, p.122, pl.20, fig.8. Holotype.

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Hayami, I. (1957e): continued

- MM2706. "*Camptonectes*" *oishii* Kobayashi and Hayami, p.122, pl.20, fig.10. Paratype.
- MM2707. "*Camptonectes*" *oishii* Kobayashi and Hayami, p.122, pl.20, fig.7. Paratype.
- MM2708. "*Camptonectes*" *oishii* Kobayashi and Hayami, p.122, pl.20, fig.9. Paratype.
- MM2709. "*Camptonectes*" *subflabelliformis* Hayami, p.123, pl.20, fig.11. Holotype.
- MM2710. "*Camptonectes*" *subflabelliformis* Hayami, p.123, pl.20, fig.12. Paratype.
- MM2711. "*Camptonectes*" a sp., p.124, pl.20, fig.13.
- MM2712. "*Camptonectes*" b sp., p.124, pl.20, fig.14.
- MM2713. "*Camptonectes*" b sp., p.124, pl.20, fig.15.
- MM2714. *Eopecten* (?) sp., p.125, pl.20, fig.16.
- MM2717. *Entolium* sp., p.125, pl.20, fig.17.
- MM2718. *Variamussium* (?) sp., p.125, pl.20, fig.18.

Hayami, I. (1958a): Liassic *VolSELLa*, *Mytilus* and some other dysodont species in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.29, pp. 155-165, pls.23,24.

- MM2719. *VolSELLa bakevelloides* Hayami, p.156, pl.23, fig.1. Holotype.
- MM2720. *VolSELLa bakevelloides* Hayami, p.156, pl.23, fig.2. Paratype.
- MM2721. *VolSELLa bakevelloides* Hayami, p.156, pl.23, fig.3. Paratype.
- MM2722. *VolSELLa* sp., p.158, pl.23, fig.4.
- MM2723. *Mytilus (Falcimytilus) heranirus* Hayami, p.160, pl.24, fig.3. Holotype.
- MM2724. *Mytilus (Falcimytilus) heranirus* Hayami, p.160, pl.24, fig.4. Paratype.
- MM2725. *Mytilus (Falcimytilus)* sp., p.161, pl.24, fig.7.
- MM2726. *Mytilus (Falcimytilus) stricapillatus* Hayami, p.159, pl.23, fig. 9. Holotype.
- MM2727. *Mytilus (Falcimytilus) stricapillatus* Hayami, p.159, pl.23, fig. 11. Paratype.
- MM2728. *Mytilus (Falcimytilus) stricapillatus* Hayami, p.159, pl.23, fig. 8. Paratype.
- MM2729. *Mytilus (Falcimytilus) stricapillatus* Hayami, p.159, pl.23, fig. 10. Paratype.

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Hayami, I. (1958a): continued

- MM2730. *Mytilus (Falcimytillus) heranirus* Hayami subsp., p.160, pl.24, fig.5.
- MM2731. *Mytilus (Falcimytillus) stricapillatus* Hayami subsp., p.160, pl.24, fig.1.
- MM2732. *Mytilus (Falcimytillus) stricapillatus* Hayami subsp., p.160, pl.24, fig.2.
- MM2733. *Mytilus (Falcimytillus)* sp., p.161, pl.24, fig.6.
- MM2734. *Arcomytillus dairensis* Kobayashi and Hayami, p.158, pl.23, fig.6. Holotype.
- MM2735. *Arcomytillus dairensis* Kobayashi and Hayami, p.158, pl.23, fig.5. Paratype.
- MM2736. *Arcomytillus* sp., p.158, pl.23, fig.7.
- MM2737. *Pteria* (s. l.) *kitakamiensis* Hayami, p.163, pl.24, fig.11. Holotype.
- MM2738. *Pteria* (s. l.) *kitakamiensis* Hayami, p.163, pl.24, fig.10. Paratype.
- MM2740. *Oxytoma* (?) sp., p.163, pl.23, fig.12.
- MM2741. *Oxytoma* (?) sp., p.163, pl.23, fig.13.
- MM2742. "*Ostrea*" a sp., p.161, pl.24, fig.8.
- MM2743. "*Ostrea*" b sp., p.161, pl.24, fig.9.

Hayami, I. (1958b): A review of the so-called Liassic "cyrenoids" in Japan. *Japan. Jour. Geol. Geogr.*, vol.29, nos.1-3, pp.11-27, pls.2,3.

- MM2823. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.22a,b. Holotype.
- MM2824. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.26. Paratype.
- MM2825. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.28a,b. Paratype.
- MM2827. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.23. Paratype.
- MM2828. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.24. Paratype.
- MM2829. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.25. Paratype.
- MM2830. *Crenotrapezium kurumense* Hayami, p.14, pl.2, fig.27. Paratype.
- MM2831. *Crenotrapezium kurigata* Hayami, p.16, pl.2, fig.30. Paratype.
- MM2832. *Crenotrapezium kurigata* Hayami, p.16, pl.2, fig.29. Holotype.
- MM2833. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.2a-c.
- MM2834. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.3.
- MM2835. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.4.
- MM2836. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.5.

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Hayami, I. (1958b): continued

- MM2837. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.6.
- MM2838. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.7.
- MM2839. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.8.
- MM2840. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.9.
- MM2841. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.10.
- MM2842. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.11.
- MM2843. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.12.
- MM2844. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.18. Holotype.
- MM2845. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.17. Paratype.
- MM2846. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.19. Paratype.
- MM2847. *Eomiodon vulgaris* Hayami, p.19, pl.3, fig.2. Paratype.
- MM2848. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.15. Paratype.
- MM2849. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.16. Paratype.
- MM2850. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.20. Paratype.
- MM2851. *Eomiodon vulgaris* Hayami, p.19, pl.2, fig.21. Paratype.
- MM2852. *Eomiodon* sp., p.21, pl.3, fig.4.
- MM2853. *Eomiodon* sp., p.21, pl.3, fig.5.
- MM2854. *Eomiodon* sp., p.21, pl.3, fig.6.
- MM2855. *Eomiodon vulgaris* Hayami, p.19, pl.3, fig.1a,b. Paratype.
- MM2856. *Eomiodon vulgaris* Hayami, p.19, pl.3, fig.3. Paratype.
- MM2857. *Eomiodon* (?) *giganteus* Hayami, p.21, pl.3, fig.8. Holotype.
- MM2858. *Eomiodon* (?) *giganteus* Hayami, p.21. Paratype. (missing)
- MM2859. *Eomiodon* (?) *giganteus* Hayami, p.21, pl.3, fig.9. Paratype.
- MM2860. *Eomiodon* (?) *giganteus* Hayami, p.21, pl.3, fig.7. Paratype.
- MM2861. *Eomiodon* (?) *giganteus* Hayami, p.21, pl.3, fig.10a,b. Paratype.
- MM2862. *Eomiodon* (?) sp., p.23, pl.2, fig.13.
- MM2863. *Eomiodon* (?) sp., p.23, pl.2, fig.14.
- MM2864. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.15a,b.
- MM2865. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.14.
- MM2866. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.12.
- MM2867. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.13.
- MM2868. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.16.
- MM2869. *Yokoyamaina* cf. *elliptica* (Yokoyama), p.25, pl.3, fig.17.

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Hayami, I. (1958b): continued

- MM2870. *Yokoyamaina* (?) sp., p.25, pl.3, fig.18.  
MM7173. *Yokoyamaina elliptica* (Yokoyama), p.24, pl.3, fig.11. Holotype.  
[see also Yokoyama (1904)]  
MM7178. *Eomiodon lunulatus* (Yokoyama), p.17, pl.2, fig.1a,b. Holotype.  
[see also Yokoyama (1904)]

Hayami, I. (1958c): Some Hettangian pelecypods from the "Trigonia-sandstone" of the Shizukawa Group in northeast Japan. *Japan. Jour. Geol. Geogr.*, vol.29, nos.1-3, pp.99-110, pl.7.

- MM2871. *Parallelodon niranohamensis* Hayami, p.100, pl.7, fig.2. Holotype.  
MM2872. *Parallelodon niranohamensis* Hayami, p.100, pl.7, fig.3. Paratype.  
MM2873. *Parallelodon niranohamensis* Hayami, p.100, pl.7, fig.1. Paratype.  
MM2874. *Cucullaea* (s. l.) *mabuchii* Hayami, p.104, pl.7, fig.8. Holotype.  
MM2875. *Cucullaea* (s. l.) *mabuchii* Hayami, p.104, pl.7, fig.9. Paratype.  
MM2876. *Cucullaea* (s. l.) *mabuchii* Hayami, p.104, pl.7, fig.7. Paratype.  
MM2877. *Cucullaea* (s. l.) *mabuchii* Hayami, p.104, pl.7, fig.10. Paratype.  
MM2878. *Grammatodon* (*Indogrammatodon* ?) *nakanoi* Hayami, p.102, pl.7, fig. 6a,b. Holotype.  
MM2879. *Grammatodon* (*Indogrammatodon* ?) *nakanoi* Hayami, p.102, pl.7, fig. 5. Paratype.  
MM2880. *Coelastarte cardiniiformis* Hayami, p.106, pl.7, fig.12. Holotype.  
MM2881. *Coelastarte cardiniiformis* Hayami, p.106, pl.7, fig.15. Paratype.  
MM2882. *Coelastarte cardiniiformis* Hayami, p.106, pl.7, fig.14. Paratype.  
MM2883. *Coelastarte cardiniiformis* Hayami, p.106, pl.7, fig.13. Paratype.  
MM2884. *Parallelodon niranohamensis* Hayami, p.100, pl.7, fig.4. Paratype.

Hayami, I. (1958d): Supplementary descriptions of the Liassic pelecypods from the Kuruma and Shizukawa Groups in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.30, pp.193-200, pl.28.

- MM2800. *Parallelodon* sp., p.193, pl.28, fig.1.  
MM2801. *Grammatodon* ? sp., p.194, pl.28, fig.3.  
MM2802. *Grammatodon* ? sp., p.194, pl.28, fig.2.  
MM2803. *Protocardia kurumensis* Hayami, p.194, pl.28, fig.5. Holotype.  
MM2804. *Protocardia kurumensis* Hayami, p.194, pl.28, fig.6. Paratype.

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Hayami, I. (1958d): continued

- MM2805. *Protocardia kurumensis* Hayami, p.194, pl.28, fig.7. Paratype.
- MM2806. *Protocardia kurumensis* Hayami, p.194, pl.28, fig.8. Paratype.
- MM2808. *Pleuromya hashidatensis* Hayami, p.195, pl.28, fig.9. Holotype.
- MM2809. *Pleuromya hashidatensis* Hayami, p.195. Paratype.
- MM2810. *Homomya satoi* Hayami, p.196, pl.28, fig.10. Holotype.
- MM2811. *Homomya* sp., p.196, pl.28, fig.11.
- MM2812. *Thracia subrhombica* Hayami, p.196, pl.28, fig.12. Holotype.
- MM2813. *Thracia subrhombica* Hayami, p.196, pl.28, fig.14. Paratype.
- MM2814. *Thracia subrhombica* Hayami, p.196, pl.28, fig.13. Paratype.
- MM2815. *Thracia* sp., p.197, pl.28, fig.15.
- MM2817. *Cuspidaria* ? a sp., p.197, pl.28, fig.16.
- MM2818. *Cuspidaria* ? a sp., p.197, pl.28, fig.19.
- MM2819. *Cuspidaria* ? a sp., p.197, pl.28, fig.17.
- MM2820. *Cuspidaria* ? b sp., p.197, pl.28, fig.20.
- MM2821. *Cuspidaria* ? b sp., p.197, pl.28, fig.21.
- MM2822. *Modiolus bakevelloides* (Hayami), p.199, pl.28, fig.4.
- MM2823b. *Cuspidaria* ? a sp., p.15, pl.28, fig.18.

Hayami, I. (1958e): Taxonomic notes on *Cardinia* with description of a new species from the Lias of western Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 2, pp.115-130, pl.11.

- MM2913. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.1. Paratype.
- MM2914. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.2. Paratype.
- MM2915. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.3. Paratype.
- MM2916. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.4. Paratype.
- MM2917. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.5. Paratype.
- MM2918. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.6. Holotype.
- MM2919. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.7. Paratype.
- MM2920. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.8. Paratype.
- MM2921. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.9. Paratype.
- MM2922. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.10. Paratype.
- MM2923. *Cardinia toriyamai* Hayami, p.121, pl.11, fig.11. Paratype.

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Hayami, I. (1959a): Pelecypods of the Mizunuma Jurassic in Miyagi Prefecture, with some stratigraphical remarks. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.34, pp.66-78, pl.7.

- MM2924. *Parallelodon niranohamensis* Hayami, p.68, pl.7, fig.1.
- MM2925. *Parallelodon niranohamensis* Hayami, p.68, pl.7, fig.2.
- MM2926. *Bakevellia* cf. *trigona* (Yokoyama), p.69, pl.7, fig.3.
- MM2927. *Camptonectes* (s. s.) *inexpectatus* Hayami, p.70, pl.7, fig.4a,b. Holotype.
- MM2928. *Camptonectes* (s. s.) *inexpectatus* Hayami, p.70, pl.7, fig.5. Paratype.
- MM2929. *Geratrighonia hosourensis* (Yokoyama), p.72, pl.7, fig.6.
- MM2930. *Geratrighonia hosourensis* (Yokoyama), p.72, pl.7, fig.7.
- MM2931. *Geratrighonia hosourensis* (Yokoyama), p.72, pl.7, fig.8.
- MM2932. *Cuspidaria* (?) *praenipponica* Hayami, p.73, pl.7, fig.9. Holotype.
- MM2933. *Cuspidaria* (?) *praenipponica* Hayami, p.73, pl.7, fig.10. Paratype.
- MM2934. *Cuspidaria* (?) *praenipponica* Hayami, p.73, pl.7, fig.11. Paratype.
- MM2935. *Cuspidaria* (?) *praenipponica* Hayami, p.73, pl.7, fig.12. Paratype.
- MM2936. *Burmesia japonica* Hayami, p.74, pl.7, fig.13. Holotype.
- MM2937. *Burmesia japonica* Hayami, p.74, pl.7, fig.14. Paratype.
- MM2938. *Burmesia japonica* Hayami, p.74, pl.7, fig.15. Paratype.
- MM2939. *Burmesia japonica* Hayami, p.74, pl.7, fig.16. Paratype.
- MM2940. *Burmesia japonica* Hayami, p.74, pl.7, fig.17. Paratype.
- MM2941. *Burmesia japonica* Hayami, p.74, pl.7, fig.18. Paratype.

Hayami, I. (1959b): An additional note on the Liassic "cyrenoids" in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.34, p.78.

- MM2837. *Eomiodon lunulatus* (Yokoyama), p.78, text-fig.R. [see also Hayami (1958b)]
- MM2838. *Eomiodon lunulatus* (Yokoyama), p.78, text-fig.L. [see also Hayami (1958b)]

Hayami, I. (1959c): Bajocian pelecypods of the Aratozaki Formation in northeast Japan. *Japan. Jour. Geol. Geogr.*, vol.30, pp.53-70, pl.5.

- MM2942. *Cucullaea* (s. l.) sp. ex gr. *aalensis* Quenstedt, p.55, pl.5, fig.1.

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Hayami, I. (1959c): continued

- MM2943. *Cucullaea* (s. l.) sp., p.56, pl.5, fig.2.
- MM2944. *Cucullaea* (s. l.) sp., p.56, pl.5, fig.3.
- MM2945. *Modiolus* (*Inoperna*) sp., p.56, pl.5, fig.4.
- MM2946. *Modiolus* (*Inoperna*) sp., p.56, pl.5, fig.5.
- MM2947. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.11.
- MM2948. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.10.
- MM2949. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.6.
- MM2950. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.7.
- MM2951. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.8.
- MM2952. *Oxytoma* cf. *inequivalve* (Sowerby)[error of *inequivalvis*], p.57, pl.5, fig.9.
- MM2953. *Inoceramus* (s. l.) *morii* Hayami, p.59, pl.5, fig.12. Holotype.
- MM2954. *Inoceramus* (s. l.) *morii* Hayami, p.59, pl.5, fig.14. Paratype.
- MM2955. *Inoceramus* (s. l.) *morii* Hayami, p.59, pl.5, fig.13. Paratype.
- MM2956. *Inoceramus* (?) sp., p.60, pl.5, fig.15.
- MM2957. *Camptonectes* cf. *auritus* (Schlotheim), p.60, pl.5, fig.16a,b.
- MM2958. *Camptonectes* cf. *auritus* (Schlotheim), p.60, pl.5, fig.17.
- MM2959. *Camptonectes* cf. *auritus* (Schlotheim), p.60, pl.5, fig.18.
- MM2960. *Ctenostreon* sp. ex gr. *proboscideum* (Sowerby), p.64, pl.5, fig.20.
- MM2961. *Entolium* cf. *disciformis* (Sowerby), p.63, pl.5, fig.19a,b.
- MM2962. *Trigonia sumiyagura* Kobayashi and Kaseno, p.65, pl.5, fig.21, text-fig.1.
- MM2963. *Trigonia sumiyagura* Kobayashi and Kaseno, p.65, pl.5, fig.22.
- MM2964. *Vaugonia* (*Hijitrigonia*) *geniculata* Kobayashi and Mori, p.66, pl.5, fig.23.
- MM2965. *Myophorella* (*Promyophorella*) *sigmoidalis* Kobayashi and Tamura, p.66, pl.5, fig.24.
- MM2966. *Coelastarte* sp. ex gr. *cardiniiformis* Hayami, p.67, pl.5, fig.25.
- MM2967. *Coelastarte* sp. ex gr. *cardiniiformis* Hayami, p.67, pl.5, fig.26.
- MM2968. *Coelastarte* sp., p.67, pl.5, fig.27.
- MM2969. *Coelastarte* sp., p.67, pl.5, fig.28.



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Hayami, I. (1959c): continued

- MM2970. *Isocyprina shizuhamensis* Hayami, p.67, pl.5, fig.29. Holotype.  
MM2971. *Isocyprina shizuhamensis* Hayami, p.67, pl.5, fig.30. Paratype.  
MM2972. *Isocyprina shizuhamensis* Hayami, p.67, pl.5, fig.31. Paratype.  
MM2973. *Fimbria* (?) *tenuiconcha* Hayami, p.68, pl.5, fig.32. Holotype.  
MM2975. *Pholadomya* sp., p.69, pl.5, fig.33.

Hayami, I. (1959d): Some pelecypods from the Tsukinoura Formation in Miyagi Prefecture. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.35, pp.133-137, pl.14.

- MM3124. *Chlamys kobayashii* Hayami, p.134, pl.14, fig.1. Holotype.  
MM3125. *Chlamys kobayashii* Hayami, p.134, pl.14, fig.2a,b. Paratype.  
MM3126. *Ctenostreon ojikense* Hayami, p.135, pl.14, fig.3a,b. Holotype.  
MM3128. *Lopha* a sp., p.135, pl.14, fig.4.  
MM3129. *Lopha* b sp., p.136, pl.14, fig.5.

Hayami, I. (1959e): Some pelecypods from the upper Aratozaki Formation including a new genus Kobayashites. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.35, pp.138-141, pl.14.

- MM3130. *Kobayashites hemicylindricus* Hayami, p.139, pl.14, fig.6a,b. Holotype.  
MM3131. *Kobayashites hemicylindricus* Hayami, p.139, pl.14, fig.7. Paratype.  
MM3132. *Kobayashites hemicylindricus* Hayami, p.139, pl.14, fig.8. Paratype.  
MM3133. *Kobayashites hemicylindricus* Hayami, p.139, pl.14, fig.9. Paratype.  
MM3134. *Kobayashites hemicylindricus* Hayami, p.139, pl.14, fig.10. Paratype.  
MM3135. *Protocardia inaii* Hayami, p.140, pl.14, fig.11. Holotype.  
MM3136. *Protocardia inaii* Hayami, p.140, pl.14, fig.12. Paratype.  
MM3137. *Protocardia inaii* Hayami, p.140, pl.14, fig.13. Paratype.

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Hayami, I. (1959f): Late Jurassic lipodont, taxodont and dysodont pelecypods from Makito, central Japan. *Japan. Jour. Geol. Geogr.*, vol.30, pp.135-150, pl.12.

- MM3138. *Solemya suprajurensis* Hayami, p.141, pl.12, fig.1a,b. Holotype.
- MM3139. *Palaeoneilo* sp., p.143, pl.12, fig.2.
- MM3140. *Palaeoneilo* sp., p.143, pl.12, fig.3.
- MM3141. *Nuculopsis (Palaeonucula) mitaraiensis* Hayami [error of *makitoensis*], p.143, pl.12, fig.4. Holotype.
- MM3142. *Nuculopsis (Palaeonucula) mitaraiensis* Hayami [error of *makitoensis*], p.143, pl.12, fig.5. Paratype.
- MM3143. *Nuculopsis (Palaeonucula) mitaraiensis* Hayami [error of *makitoensis*], p.143, pl.12, fig.6a,b. Paratype.
- MM3144. *Nuculopsis (Palaeonucula)* sp., p.145, pl.12, fig.7.
- MM3145. *Modiolus maedae* Hayami, p.145, pl.12, fig.8a-c. Holotype.
- MM3146. *Modiolus maedae* Hayami, p.145. Paratype.
- MM3147. *Modiolus maedae* Hayami, p.145, pl.12, fig.10a-c. Paratype.
- MM3148. *Modiolus maedae* Hayami, p.145, pl.12, fig.9a,b. Paratype.
- MM3152. *Brachidontes* ? sp., p.147, pl.12, fig.11.
- MM3153. *Pinna* sp. ex gr. *sandsfootensis* Arkell, p.147, pl.12, fig.12.
- MM3154. *Pinna* sp. ex gr. *sandsfootensis* Arkell, p.147, pl.12, fig.13.
- MM3155. *Oxytoma tetoriense* Hayami [error of *tetoriensis*], p.148, pl.12, fig.14. Holotype.
- MM3156. *Oxytoma tetoriense* Hayami [error of *tetoriensis*], p.148, pl.12, fig.15. Paratype.
- MM3158. *Pteria* (s. l.) sp., p.149, pl.12, fig.16.

Hayami, I. (1959g): Late Jurassic isodont and myacid pelecypods from Makito, central Japan. *Japan. Jour. Geol. Geogr.*, vol.30, pp.151-167, pls.12,13.

- MM3160. *Chlamys mitaraiensis* Hayami, p.151, pl.12, fig.19. Holotype.
- MM3161. *Chlamys mitaraiensis* Hayami, p.151, pl.12, fig.20. Paratype.
- MM3162. *Chlamys mitaraiensis* Hayami, p.151, pl.12, fig.18. Paratype.
- MM3163. *Chlamys mitaraiensis* Hayami, p.151, pl.12, fig.17. Paratype.
- MM3164. *Camptonectes* sp., p.153, pl.13, fig.2.
- MM3165. *Camptonectes* sp., p.153, pl.13, fig.1.
- MM3166. *Entolium inequivalve* Hayami, p.154, pl.13, fig.8. Holotype.

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Hayami, I. (1959g): continued

- MM3167. *Entolium inequivalve* Hayami, p.154, pl.13, fig.6. Paratype.  
MM3168. *Entolium inequivalve* Hayami, p.154, pl.13, fig.3. Paratype.  
MM3169. *Entolium inequivalve* Hayami, p.154, pl.13, fig.7. Paratype.  
MM3170. *Entolium inequivalve* Hayami, p.154, pl.13, fig.5. Paratype.  
MM3171. *Entolium inequivalve* Hayami, p.154, pl.13, fig.4. Paratype.  
MM3173. *Limatula iwayae* Hayami, p.157, pl.13, fig.9a,b. Holotype.  
MM3174. *Limatula iwayae* Hayami, p.157, pl.13, fig.10. Paratype.  
MM3175. *Limatula iwayae* Hayami, p.157. Paratype.  
MM3177. *Protocardia* sp., p.158, pl.13, fig.11.  
MM3179. *Pleuromya hidensis* Hayami, p.158, pl.13, fig.12a,b. Holotype.  
MM3180. *Pleuromya hidensis* Hayami, p.158, pl.13, fig.13. Paratype.  
MM3181. *Tetorimya carinata* Hayami, p.161, pl.13, fig.16a-c. Holotype.  
MM3182. *Tetorimya carinata* Hayami, p.161, pl.13, fig.15a,b. Paratype.  
MM3183. *Tetorimya carinata* Hayami, p.161. Paratype.  
MM3184. *Tetorimya carinata* Hayami, p.161. Paratype.  
MM3185. *Tetorimya carinata* Hayami, p.161. Paratype.  
MM3186. *Tetorimya carinata* Hayami, p.161, pl.13, fig.14.  
MM3188. *Thracia shokawensis* Hayami, p.162, pl.13, fig.17a,b. Holotype.  
MM3189. *Thracia shokawensis* Hayami, p.162, pl.13, fig.18. Paratype.  
MM3190. *Thracia shokawensis* Hayami, p.162. Paratype.  
MM3191. *Thracia shokawensis* Hayami, p.162, pl.13, fig.19.

Hayami, I. (1959h): Lower Liassic lamellibranch fauna of the Higashinagano Formation in west Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.12, part 1, pp.31-84, pls.5-8.

- MM3350. *Nuculopsis (Palaeonucula)* sp., p.40, pl.5, fig.1.  
MM3352. *Nuculana (Dacryomya) toriyamae* Hayami, p.41, pl.5, fig.3. Holotype.  
MM3353. *Nuculana (Dacryomya) toriyamae* Hayami, p.41, pl.5, fig.2. Paratype.  
MM3355. *Parallelodon infraliassicus* Hayami, p.42, pl.5, fig.4. Holotype.  
MM3356. *Parallelodon infraliassicus* Hayami, p.42, pl.5, fig.5. Paratype.  
MM3357. *Parallelodon infraliassicus* Hayami, p.42, pl.5, fig.6. Paratype.  
MM3359. *Parallelodon* cf. *infraliassicus* Hayami, p.43, pl.5, fig.7a,b.

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Hayami, I. (1959h): continued

- MM3360. *Parallelodon* (?) *subnavicellus* Hayami, p.44, pl.5, fig.8a,b. Holotype.
- MM3361. *Grammatodon toyorensis* Hayami, p.45, pl.5, fig.9. Holotype.
- MM3362. *Grammatodon toyorensis* Hayami, p.45, pl.5, fig.10. Paratype.
- MM3363. *Grammatodon toyorensis* Hayami, p.45, pl.5, fig.12. Paratype.
- MM3364. *Grammatodon toyorensis* Hayami, p.45, pl.5, fig.11. Paratype.
- MM3366. *Modiolus magatama* Hayami, p.46, pl.5, fig.13. Holotype.
- MM3367. *Modiolus magatama* Hayami, p.46. Paratype.
- MM3368. *Meleagrinnella japonica* Hayami, p.47, pl.5, fig.21a,b. Holotype.
- MM3369. *Meleagrinnella japonica* Hayami, p.47, pl.5, fig.22. Paratype.
- MM3370. *Meleagrinnella japonica* Hayami, p.47, pl.5, fig.20. Paratype.
- MM3371. *Oxytoma* cf. *cygnipes* (Young and Bird), p.48, pl.5, fig.14.
- MM3372. *Oxytoma kobayashii* Hayami, p.49, pl.5, fig.15. Holotype.
- MM3373. *Oxytoma kobayashii* Hayami, p.49, pl.5, fig.16. Paratype.
- MM3374. *Oxytoma kobayashii* Hayami, p.49, pl.5, fig.17. Paratype.
- MM3375. *Oxytoma inequivalve* (Sowerby)[error of *inequivalvis*], p.50, pl.5, fig.19.
- MM3376. *Oxytoma inequivalve* (Sowerby)[error of *inequivalvis*], p.50, pl.5, fig.18.
- MM3379. *Chlamys textoria* (Goldfuss), p.52, pl.5, fig.23a-c.
- MM3380. *Chlamys textoria* (Goldfuss), p.52, pl.5, fig.25.
- MM3381. *Chlamys textoria* (Goldfuss), p.52, pl.5, fig.26.
- MM3382. *Chlamys textoria* (Goldfuss), p.52, pl.5, fig.27.
- MM3383. *Chlamys textoria* (Goldfuss), p.52, pl.5, fig.24.
- MM3384. "*Aequipecten*" *toyorensis* Hayami, p.55, pl.6, fig.1a,b. Holotype.
- MM3385. "*Aequipecten*" *toyorensis* Hayami, p.55, pl.6, fig.2. Paratype.
- MM3386. "*Aequipecten*" *toyorensis* Hayami, p.55, pl.6, fig.3. Paratype.
- MM3387. "*Aequipecten*" *toyorensis* Hayami, p.55, pl.6, fig.5. Paratype.
- MM3388. "*Aequipecten*" *toyorensis* Hayami, p.55, pl.6, fig.4. Paratype.
- MM3390. "*Aequipecten*" sp., p.57, pl.5, fig.28.
- MM3391. *Entolium* cf. *calvum* (Goldfuss), p.57, pl.6, fig.7. (missing)
- MM3392. *Entolium* cf. *calvum* (Goldfuss), p.57, pl.6, fig.6a,b.
- MM3393. *Entolium* cf. *calvum* (Goldfuss), p.57, pl.6, fig.8.
- MM3394. *Entolium* cf. *calvum* (Goldfuss), p.57, pl.6, fig.9.
- MM3396. *Entolium* cf. *lunare* (Roemer), p.59, pl.6, fig.11.

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Hayami, I. (1959h): continued

- MM3398. *Entolium* sp., p.60, pl.6, fig.10.
- MM3399. *Entolium* (?) sp., p.60, pl.6, fig.12.
- MM3400. *Entolium* (?) sp., p.60, pl.6, fig.13.
- MM3401. *Plicatula subcircularis* Hayami, p.60, pl.6, fig.14. Holotype.
- MM3402. *Plicatula subcircularis* Hayami, p.60, pl.6, fig.15. Paratype.
- MM3403. *Plicatula subcircularis* Hayami, p.60, pl.6, fig.16. Paratype.
- MM3404. *Plicatula subcircularis* Hayami, p.60. Paratype.
- MM3406. *Plicatula praenipponica* Hayami, p.61, pl.6, fig.19a,b. Holotype.
- MM3407. *Plicatula praenipponica* Hayami, p.61, pl.6, fig.17. Paratype.
- MM3408. *Plicatula praenipponica* Hayami, p.61. Paratype.
- MM3409. *Plicatula praenipponica* Hayami, p.61, pl.6, fig.18. Paratype.
- MM3410. "*Lima*" sp., p.62, pl.6, fig.20.
- MM3411. *Plagiostoma kobayashii* Hayami, p.63, pl.6, fig.21a,b. Holotype.
- MM3412. *Plagiostoma kobayashii* Hayami, p.63, pl.6, fig.23. Paratype.
- MM3413. *Plagiostoma kobayashii* Hayami, p.63, pl.6, fig.22. Paratype.
- MM3414. *Plagiostoma matsumotoi* Hayami, p.64, pl.6, fig.25. Holotype.
- MM3415. *Plagiostoma matsumotoi* Hayami, p.64, pl.7, fig.2. Paratype.
- MM3416. *Plagiostoma matsumotoi* Hayami, p.64, pl.7, fig.1. Paratype.
- MM3417. *Plagiostoma matsumotoi* Hayami, p.64, pl.6, fig.24. Paratype.
- MM3418. *Plagiostoma matsumotoi* Hayami, p.64, pl.7, fig.3. Paratype.
- MM3420. *Plagiostoma* sp., p.65, pl.6, fig.26.
- MM3421. *Antiquilima nagatoensis* Hayami, p.66, pl.7, fig.4a-c. Holotype.
- MM3422. *Antiquilima nagatoensis* Hayami, p.66. Paratype.
- MM3424. *Ctenostreon japonicum* Hayami, p.67, pl.7, fig.5a,b. Holotype.
- MM3425. *Ctenostreon japonicum* Hayami, p.67, pl.7, fig.6. Paratype.
- MM3427. *Ctenostreon* sp., p.68, pl.6, fig.27.
- MM3428. *Liostrea toyorensis* Hayami, p.68, pl.7, fig.7. Holotype.
- MM3429. *Liostrea toyorensis* Hayami, p.68. Paratype.
- MM3430. *Liostrea toyorensis* Hayami, p.68, pl.7, fig.8. Paratype.
- MM3431. *Lopha sazanami* Hayami, p.69, pl.7, fig.9. Paratype.
- MM3432. *Lopha sazanami* Hayami, p.69, pl.7, fig.11. Holotype.
- MM3433. *Lopha sazanami* Hayami, p.69, pl.7, fig.10. Paratype.
- MM3436. *Prosogyrotrigonia inouyei* (Yehara), p.70, pl.7, fig.13.
- MM3437. *Prosogyrotrigonia inouyei* (Yehara), p.70, pl.7, fig.12.

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Hayami, I. (1959h): continued

- MM3438. *Prosogyrotrigonia inouyei* (Yehara), p.70, pl.7, fig.14.
- MM3439. *Cardinia orientalis* Hayami, p.70, pl.8, fig.1. Holotype.
- MM3440. *Cardinia orientalis* Hayami, p.70. Paratype.
- MM3442. *Praeconia* cf. *tetragona* (Terquem), p.71, pl.8, fig.4.
- MM3443. *Praeconia* cf. *tetragona* (Terquem), p.71, pl.8, fig.3.
- MM3444. *Praeconia* cf. *tetragona* (Terquem), p.71, pl.7, fig.15, pl.8, fig.2.
- MM3447. *Astarte* a sp., p.73, pl.7, fig.17.
- MM3448. *Astarte* b sp., p.73, pl.8, fig.5a,b.
- MM3449. *Fimbria* sp., p.74, pl.8, fig.9.
- MM3450. *Sphaeriola nipponica* Hayami, p.74, pl.8, fig.12a,b. Holotype.
- MM3451. *Sphaeriola nipponica* Hayami, p.74, pl.8, fig.10. Paratype.
- MM3452. *Sphaeriola nipponica* Hayami, p.74, pl.8, fig.11. Paratype.
- MM3453. *Sphaeriola nipponica* Hayami, p.74, pl.8, fig.13. Paratype.
- MM3455. *Lucina* (s. l.) *hasei* Hayami, p.76, pl.8, fig.7. Holotype.
- MM3456. *Lucina* (s. l.) *hasei* Hayami, p.76, pl.8, fig.8. Paratype.
- MM3457. *Lucina* (s. l.) *hasei* Hayami, p.76, pl.8, fig.6. Paratype.
- MM3458. *Lucina* (s. l.) *hasei* Hayami, p.76. Paratype.
- MM3461. *Cardium* (s. l.) *naganoense* Hayami, p.77, pl.8, fig.14. Holotype.
- MM3462. *Cardium* (s. l.) *naganoense* Hayami, p.77, pl.8, fig.15. Paratype.
- MM3463. *Protocardia onoi* Hayami, p.77, pl.8, fig.17. Holotype.
- MM3464. *Protocardia onoi* Hayami, p.77, pl.8, fig.16. Paratype.
- MM3465. *Protocardia onoi* Hayami, p.77, pl.8, fig.18. Paratype.
- MM3467. *Pleuromya* sp., p.78, pl.8, fig.19.
- MM3468. Genus and species indet. a, p.78, pl.8, fig.20.
- MM3469. Genus and species indet. b, p.78, pl.8, fig.21.

Hayami, I. (1960a): Pelecypods of the Jusanhama Group (Purbeckian or Wealden) in Hashiura area, northeast Japan. *Japan. Jour. Geol. Geogr.*, vol.31, no.1, pp.13-22, pl.3.

- MM3562. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.4a,b. Holotype.
- MM3563. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.2. Paratype.
- MM3564. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.3. Paratype.
- MM3565. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.6. Paratype.

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Hayami, I. (1960a): continued

- MM3566. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.7. Paratype.  
MM3567. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.1. Paratype.  
MM3568. *Filosina jusanhamensis* Hayami, p.15, pl.3, fig.5. Paratype.  
MM3570. *Crenotrapezium kitakamiense* Hayami, p.17, pl.3, fig.9. Holotype.  
MM3571. *Crenotrapezium kitakamiense* Hayami, p.17, pl.3, fig.8. Paratype.  
MM3572a. *Crenotrapezium kitakamiense* Hayami, p.17, pl.3, fig.10. Paratype.  
MM3572b. *Protocardia morii* Hayami and *Filosina jusanhamensis* Hayami [many individuals on a slab], pl.3, fig.16.  
MM3574. *Protocardia morii* Hayami, p.18, pl.3, fig.13. Holotype.  
MM3575. *Protocardia morii* Hayami, p.18, pl.3, fig.14. Paratype.  
MM3576. *Protocardia morii* Hayami, p.18, pl.3, fig.12. Paratype.  
MM3577. *Protocardia morii* Hayami, p.18, pl.3, fig.11. Paratype.  
MM3578. *Protocardia morii* Hayami, p.18, pl.3, fig.15. Paratype.  
MM3580. *Corbula* (?) sp., p.20, pl.3, fig.17.  
MM3581. *Cuspidaria* (?) sp., p.20, pl.3, fig.18.

Hayami, I. (1960b): Two Jurassic pelecypods from west Thailand. *Trans.*

*Proc. Palaeont. Soc. Japan*, N. S., no.38, p.284.

- MM3632a. *Eomiodon chumphonensis* Hayami, p.284, text-fig.1. Holotype.  
MM3632b. *Eomiodon chumphonensis* Hayami, p.284, text-fig.2. Paratype.  
MM3633. *Posidonia* sp. ex gr. *ornati* Quenstedt, p.284, text-fig.3. [several individuals on a slab]

Hayami, I. (1960c): Jurassic inoceramids in Japan. *Jour. Fac. Sci. Univ.*

*Tokyo*, sec.2, vol.12, part 2, pp.277-328, pls.15-18.

- MM3582. *Parainoceramus lunaris* Hayami, p.295, pl.15, fig.1. Holotype.  
MM3583. *Parainoceramus lunaris* Hayami, p.295. Paratype.  
MM3584. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.2a,b. Holotype.  
MM3585. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.4. Paratype.  
MM3586. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.3. Paratype.  
MM3587. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.6. Paratype.  
MM3588. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.5. Paratype.  
MM3589. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.7. Paratypes. [two individuals]

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Hayami, I. (1960c): continued

- MM3590. *Parainoceramus matsumotoi* Hayami, p.296, pl.15, fig.8. Paratype.
- MM3591. *Parainoceramus matsumotoi* Hayami, p.296. Paratype.
- MM3592. *Parainoceramus* cf. *matsumotoi* Hayami, p.297, pl.15, fig.9.
- MM3593. *Parainoceramus* sp. ex gr. *matsumotoi* Hayami, p.298, pl.15, fig.10.
- MM3595. *Inoceramus morii* Hayami, p.300, pl.15, fig.12.
- MM3596. *Inoceramus morii* Hayami, p.300, pl.15, fig.11.
- MM3597. *Inoceramus* (*Mytiloceramus*) *karakuwensis* Hayami, p.299, pl.15, fig.17. Holotype.
- MM3598. *Inoceramus* (*Mytiloceramus*) *karakuwensis* Hayami, p.299. Paratype.
- MM3599. *Inoceramus* sp. ex gr. *fuscus* Quenstedt, p.301, pl.15, fig.13.
- MM3600. *Inoceramus* cf. *nitescens* Arkell, p.302, pl.15, fig.15.
- MM3601. *Inoceramus hamadae* Hayami, p.302, pl.15, fig.14a,b. Holotype.
- MM3602. *Inoceramus hashiurensis* Hayami, p.303, pl.15, fig.16. Holotype.
- MM3603. *Inoceramus* cf. *lucifer* von Eichwald, p.304, pl.16, fig.1.
- MM3604. *Inoceramus furukawensis* Hayami, p.311, pl.16, fig.8. Holotype.
- MM3605. *Inoceramus* (s. l.) *fukadae* Hayami, p.313, pl.16, fig.10. Holotype.
- MM3606. *Inoceramus* (s. l.) *fukadae* Hayami, p.313, text-fig.3. Paratype.
- MM3607. *Inoceramus* (s. l.) a sp., p.314, text-fig.4.
- MM3608. *Inoceramus* (s. l.) b sp., p.314, text-fig.5.
- MM3609. *Inoceramus* (s. l.) c sp., p.315, pl.16, fig.11.
- MM3610. *Inoceramus* (s. l.) d sp., p.315, pl.18, fig.5.
- MM3611. *Inoceramus* (?) *naganoensis* Hayami, p.315, pl.18, fig.6. Holotype.
- PM3612. "*Isognomon*" n. sp., p.327, text-fig.6.
- MM9069. *Inoceramus maedae* Hayami, p.308, text-fig.2. Paratype.
- MM9070. *Inoceramus maedae* Hayami var. a, p.311, pl.18, fig.2.
- MM9071. *Inoceramus maedae* Hayami var. b, p.311, pl.18, fig.1.
- MM9076. *Inoceramus maedae* Hayami, p.308, pl.17, fig.3a-c. Holotype.
- MM9077. *Inoceramus maedae* Hayami, p.308, pl.17, fig.1a,b. Paratype.
- MM9078a. *Inoceramus maedae* Hayami, p.308, pl.17, fig.2a,b. Paratype.
- MM9078b. *Inoceramus maedae* Hayami, p.308, pl.16, fig.7. Paratype.
- MM9079. *Inoceramus* sp. ex gr. *galoi* Boehm, p.307, pl.16, fig.6.
- MM9081. *Inoceramus utanoensis* Kobayashi, p.305, pl.16, fig.3. Lectotype.  
[see also Kobayashi (1926)]
- MM9084. *Inoceramus utanoensis* Kobayashi, p.305, pl.16, fig.5.



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Hayami, I. (1960c): continued

- MM9085. *Inoceramus utanoensis* Kobayashi, p.305, pl.16, fig.4.
- MM9086. *Inoceramus ogurai* Kobayashi, p.306, pl.16, fig.2. Holotype.  
[see also Kobayashi (1926)]
- MM9088. *Inoceramus* (s. l.) *kudoii* Hayami, p.312, pl.18, fig.3. Holotype.
- MM9089. *Inoceramus* (s. l.) *kudoii* Hayami, p.312. Paratype.
- MM9090. *Inoceramus* (s. l.) *kudoii* Hayami, p.312, pl.16, fig.9. Paratype.
- MM9093. *Inoceramus* (s. l.) *kudoii* Hayami, p.312, pl.18, fig.4. Paratype.

Hayami, I. (1960d): Lower Liassic gastropods from the Higashinagano Formation in west Japan. *Japan. Jour. Geol. Geogr.*, vol.31, nos.2-4, pp. 99-106, pl.9.

- MM3662a. *Pseudomelania* (?) sp., p.100, pl.9, fig.9.
- MM3662b. *Neritopsis mutabilis* Hayami, p.101, pl.9, fig.9. Paratype.
- MM3663. *Neritopsis mutabilis* Hayami, p.101, pl.9, fig.10a-c. Holotype.
- MM3664. *Neritopsis mutabilis* Hayami, p.101, pl.9, fig.11. Paratype.
- MM3665. *Neritopsis mutabilis* Hayami, p.101, pl.9, fig.12. Paratype.
- MM3666. *Neritopsis mutabilis* Hayami, p.101, pl.9, fig.13. Paratype.
- MM3667. *Neritopsis elegans* Hayami, p.102, pl.9, fig.6a,b. Holotype.
- MM3668. *Neritopsis elegans* Hayami, p.102, pl.9, fig.8. Paratype.
- MM3669. *Neritopsis elegans* Hayami, p.102, pl.9, fig.7. Paratype.
- MM3670. *Promathildia* sp. ex gr. *turritella* (Dunker), p.103, pl.9, fig.5.
- MM3671. *Promathildia* sp. ex gr. *turritella* (Dunker), p.103, pl.9, fig.4.
- MM3672. *Pictavia toyorana* Hayami, p.104, pl.9, fig.2. Holotype.
- MM3673. *Pictavia toyorana* Hayami, p.104, pl.9, fig.1. Paratype.
- MM3674. *Pictavia toyorana* Hayami, p.104, pl.9, fig.3. Paratype.

Hayami, I. (1961a): Pelecypods from the Liassic Yamaoku Formation in west Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.43, pp.113-116, pl.16.

- MM3675. *Nuculana* (*Dacryomya*) *konishii* Hayami, p.116, pl.16, fig.1. Holotype. (missing)
- MM3676. *Meleagrinella okayamensis* Hayami, p.117, pl.16, fig.2. Holotype. (missing)
- MM3677. *Meleagrinella okayamensis* Hayami, p.117, pl.16, fig.3. Paratype. (missing)

HAYAMI

Hayami, I. (1961a): continued

- MM3678. *Crenotrapezium kurumense grossum* Hayami, p.117, pl.16, fig.4. Holotype. (missing)  
MM3679. *Crenotrapezium kurumense grossum* Hayami, p.117. Paratype. (missing)

Hayami, I. (1961b): Some Jurassic pelecypods from the Awazu and Yamagami Formations in northeast Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.43, pp.117-123, pl.16.

- MM3680. *Isognomon* sp., p.118, pl.16, fig.5. (missing)  
MM3681. *Chlamys awazuensis* Hayami, p.118, pl.16, fig.6a,b. Holotype. (missing)  
MM3682. *Plagiostoma* sp. ex gr. *subcardiiforme* (Greppin), p.119, pl.16, fig.7a,b. (missing)  
MM3684. *Mesolinga masatanii* Hayami, p.119, pl.16, fig.8. Paratype. (missing)  
MM3685. *Mesolinga masatanii* Hayami, p.119, pl.16, fig.9. Paratype. (missing)  
MM3686. *Mesolinga masatanii* Hayami, p.119, pl.16, fig.10. Holotype. (missing)  
MM3687. *Fimbria somensis* Hayami, p.122, pl.16, fig.11. Holotype. (missing)  
MM3688. *Fimbria somensis* Hayami, p.122, pl.16, fig.12. Paratype. (missing)  
MM3689. *Fimbria somensis* Hayami, p.122, pl.16, fig.13. Paratype. (missing)  
MM3690. *Pronoella sugayensis* Hayami, p.123, pl.16, fig.14. Paratype. (missing)  
MM3691. *Pronoella sugayensis* Hayami, p.123, pl.16, fig.15. Paratype. (missing)  
MM3692. *Pronoella sugayensis* Hayami, p.123, pl.16, fig.16. Holotype. (missing)

Hayami, I. (1961c): On the Jurassic pelecypod faunas in Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.13, part 2, pp.243-343, pl.14.

- MM4833. "*Hildoceras*" *chrysanthemum* Yokoyama, p.276, pl.14, fig.1a,b.  
MM4834. "*Cornaptychus*" a sp., p.275, pl.14, fig.2.  
MM4835. "*Cornaptychus*" a sp., p.275, pl.14, fig.3.  
MM4836. "*Cornaptychus*" b sp., p.275, pl.14, fig.4a,b.  
ME4837. *Pentacrinus* sp., p.277, pl.14, fig.5.

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Hayami, I. (1961c): continued

- MM4838. *Posidonia* sp. ex gr. *ornati* Quenstedt, p.286, pl.14, fig.6.  
 MM4839. *Amonotis* n. sp., p.286, pl.14, fig.7. [many individuals on a slab]  
 MM4840.\* *Myophorella* (*Haidaia*) *crenulata* Kobayashi and Tamura, p.267, pl.14, fig.8. [original specimen missing]  
 MW4841. ? Trail of a gastropod. p.281, pl.14, fig.9.

Hayami, I. (1968): Some Jurassic bivalves from Mindoro. *Geol. Palaeont. Southeast Asia*, vol.5, pp.173-185, pls.21,22.

- MM3917. *Inoceramus* sp. cf. *I. galoi* Boehm, p.174, pl.21, fig.1.  
 MM3918. *Inoceramus* sp. cf. *I. galoi* Boehm, p.174, pl.21, fig.2.  
 MM3919. *Inoceramus* sp. cf. *I. galoi* Boehm, p.174, pl.21, fig.3.  
 MM3920. *Aulacomyella* sp. aff. *A. neogae* Imlay, p.175, pl.21, fig.4.  
 MM3921. *Aulacomyella* sp. aff. *A. neogae* Imlay, p.175, pl.21, fig.5.  
 MM3922. *Plagiostoma* (*Plagiostoma*) sp., p.176, pl.21, fig.12.  
 MM3923. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.177, pl.21, fig.7.  
 MM3924. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.177, pl.21, fig.10.  
 MM3925. *Vaugonia* (*Vaugonia*) *mindoroensis* (Hayasaka), p.178, pl.21, fig.11.  
 MM3926. *Vaugonia* (*Vaugonia*) *mindoroensis* (Hayasaka), p.178.  
 MM3927. *Rutitrigonia* *amagensis* Kobayashi, p.178, pl.21, fig.6.  
 MM3928. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179, pl.22, fig.6a,b. Holotype.  
 MM3929. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179, pl.22, fig.7. Paratype.  
 MM3930. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179. Paratype.  
 MM3931. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179. Paratype.  
 MM3932. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179. Paratype.  
 MM3933. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179. Paratype.  
 MM3934. *Astarte* (*Astarte*) *mindoroensis* Hayami, p.179, pl.22, fig.5a,b. Paratype.  
 MM3935. *Astarte* (*Astarte*) *satoi* Hayami, p.181, pl.22, fig.3a,b. Holotype.  
 MM3936. *Astarte* (*Astarte*) *satoi* Hayami, p.181. Paratype.  
 MM3937. *Astarte* (*Astarte*) *satoi* Hayami, p.181, pl.21, fig.13. Paratype.  
 MM3938. *Astarte* (*Astarte*) *satoi* Hayami, p.181, pl.21, fig.14. Paratype.

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Hayami, I. (1968): continued

- MM3939. *Astarte (Astarte) satoi* Hayami, p.181, pl.22, fig.2a,b. Paratype.  
MM3940a. *Astarte (Astarte) satoi* Hayami, p.181, pl.22, fig.4a,b. Paratype.  
MM3940b. *Astarte (Astarte) satoi* Hayami, p.181, pl.21, fig.16. Paratype.  
MM3941. *Astarte (Astarte) satoi* Hayami, p.181, pl.22, fig.1. Paratype.  
MM3942. *Astarte (Astarte) satoi* Hayami, p.181. Paratype.  
MM3943. *Astarte (Astarte) satoi* Hayami, p.181. Paratype.  
MM3944. *Astarte (Astarte) satoi* Hayami, p.181. Paratype.  
MM3945. *Astarte (Astarte) satoi* Hayami, p.181, pl.21, fig.15. Paratype.  
MM3946. *Myophorella (Promyophorella) orientalis* Kobayashi and Tamura, p.177, pl.21, fig.8.  
MM3947. *Myophorella (Promyophorella) orientalis* Kobayashi and Tamura, p.177, pl.21, fig.9.

Hayami, I. (1972): Lower Jurassic Bivalvia from the environs of Saigon.

*Geol. Palaeont. Southeast Asia*, vol.10, pp.179-230, pls.33-38.

- MM2866. *Integricardium (Yokoyamaina) hayamii* (Keen and Casey), p.204, pl.38, fig.10. [see also Hayami (1958b)]  
MM2867. *Integricardium (Yokoyamaina) hayamii* (Keen and Casey), p.204, pl.38, fig.11. [see also Hayami (1958b)]

Hayami, I. (1975): A systematic survey of the Mesozoic Bivalvia from

Japan. *Univ. Mus. Univ. Tokyo, Bull.*, no.10, pp.1-249 (pls.1-10 incl.)

- MM2641. *Cardinioides varidus* Hayami, p.97, pl.4, fig.9. Paratype. [see also Hayami (1957c)]  
MM2651. *Bakevella (Neobakevella) trigona* (Yokoyama), p.44, pl.2, fig.3. [see also Hayami (1957a)]  
MM2689. *Radulonectites japonicus* Hayami, p.80, pl.3, fig.9. Holotype. [see also Hayami (1957d)]  
MM2690. *Radulonectites japonicus* Hayami, p.80, pl.3, fig.10. Paratype. [see also Hayami (1957d)]  
MM2719. *Modiolus bakevelloides* (Hayami), p.38, pl.1, fig.12. Holotype. [see also Hayami (1958a)]  
MM2823. *Crenotrapezium kurumense kurumense* Hayami, p.140, pl.7, fig.13. Holotype. [see also Hayami (1958b)]  
MM2829. *Crenotrapezium kurumense kurumense* Hayami, p.140, pl.7, fig.14. Paratype. [see also Hayami (1958b)]

# HAYAMI

Hayami, I. (1975): continued

- MM2840. *Eomiodon lunulatus* (Yokoyama), p.138, pl.7, fig.6. [see also Hayami (1958b)]
- MM2843. *Eomiodon lunulatus* (Yokoyama), p.138, pl.7, fig.7. [see also Hayami (1958b)]
- MM2864. *Integricardium (Yokoyamaina) hayamii* (Keen and Casey), p.134, pl.7, fig.1. [see also Hayami (1958b)]
- MM2867. *Integricardium (Yokoyamaina) hayamii* (Keen and Casey), p.134, pl.7, fig.2. [see also Hayami (1958b)]
- MM2917. *Cardinia toriyamai* Hayami, p.132, pl.6, fig.11. Paratype. [see also Hayami (1958e)]
- MM2918. *Cardinia toriyamai* Hayami, p.132, pl.6, fig.10. Holotype. [see also Hayami (1958e)]
- MM2962. *Trigonia sumiyagura* Kobayashi and Kaseno, p.102, pl.5, fig.2. [see also Hayami (1959c)]
- MM3080. *Frenguelliella (Kumatrigonia) tanourensensis* Tamura, p.102, pl.5, fig.7. Holotype. [see also Tamura (1959a)]
- MM3130. *Kobayashites hemicylindricus* Hayami, p.48, pl.2, fig.6. Holotype. [see also Hayami (1959e)]
- MM3138. *Solemya suprajurensis* Hayami, p.26, pl.1, fig.2. Holotype. [see also Hayami (1959f)]
- MM3166. *Entolium inequivalve* Hayami, p.72, pl.3, fig.2. Holotype. [see also Hayami (1959g)]
- MM3181. *Tetorimya carinata* Hayami, p.150, pl.8, fig.8. Holotype. [see also Hayami (1959g)]
- MM3206. *Parallelodon (Torinosucatella) kobayashii* (Tamura), p.28, pl.1, fig.5. [see also Tamura (1959e)]
- MM3207. *Parallelodon (Torinosucatella) kobayashii* (Tamura), p.28, pl.1, fig.4. [see also Tamura (1959e)]
- MM3236. *Pteria masatanii* Tamura, p.42, pl.1, fig.14. Holotype. [see also Tamura (1960b)]
- MM3242. *Somapteria koikensis* Tamura, p.42, pl.1, fig.16. Holotype. [see also Tamura (1960b)]
- MM3246. *Pteroperna pauciradiata* Tamura, p.42, pl.1, fig.15. Holotype. [see also Tamura (1960b)]
- MM3264. *Inoperna plicata* (Sowerby), p.39, pl.1, fig.11. [see also Tamura (1960c)]
- MM3283. *Neoburmesia iwakiensis* Yabe and Sato, p.149, pl.8, fig.7. [see also Tamura (1960c)]
- MM3292. *Goniomya (Goniomya) nonvscripta* Tamura, p.150, pl.8, fig.10. Holotype. [see also Tamura (1960c)]

# HAYAMI

Hayami, I. (1975): continued

- MM3320. *Somarctica abukumensis* (Tamura), p.137, pl.7, fig.3. Paratype.  
[see also Tamura (1960d)]
- MM3421. *Antiquilima nagatoensis* Hayami, p.86, pl.4, fig.1. Holotype.  
[see also Hayami (1959h)]
- MM3450. *Sphaeriola nipponica* Hayami, p.123, pl.6, fig.2. Holotype. [see  
also Hayami (1959h)]
- MM3704. *Pinctada (Eopinctada) matsumotoi* Tamura, p.42, pl.2, fig.2. Holo-  
type. [see also Tamura (1961)]
- MM4301. *Trigonia sumiyagura* Kobayashi and Kaseno, p.102, pl.5, fig.1.  
Holotype. [see also Kobayashi and Kaseno (1947)]
- MM4338. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.109,  
pl.5, fig.8. Paratype. [see also Kobayashi and Mori (1955)]
- MM4350. *Myophorella (Promyophorella) sigmoidalis* Kobayashi and Tamura,  
p.109, pl.5, fig.9. Holotype. [see also Kobayashi and Tamura  
(1955)]
- MM4378. *Latitrigonia pyramidalis* Kobayashi and Tamura, p.103, pl.5, fig.  
4. Holotype. [see also Kobayashi and Tamura (1957)]
- MM4383. *Ibotrigonia masatanii* Kobayashi and Tamura, p.104, pl.5, fig.5.  
[see also Kobayashi and Tamura (1957)]
- MM4413. *Steinmanella (Yeharella) japonica* (Yehara), p.112, pl.5, fig.12.  
[see also Kobayashi and Amano (1955)]
- MM4424. *Steinmanella (Setotrigonia) shinoharai* Kobayashi and Amano, p.114,  
pl.5, fig.13. Holotype. [see also Kobayashi and Amano (1955)]
- MM4470. *Minepharus triadicus* (Tokuyama), p.132, pl.6, fig.12. Holotype.  
[see also Tokuyama (1958c)]
- MM4475. *Minepharus triadicus* (Tokuyama), p.132, pl.6, fig.13. Paratype.  
[see also Tokuyama (1958c)]
- MM4485. *Bakevella (Bakevelloides) hekiensis* (Kobayashi and Ichikawa),  
p.45, pl.2, fig.4. [see also Tokuyama (1959a)]
- MM4494. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.48, pl.2,  
fig.5. [see also Tokuyama (1959a)]
- MM4498. *Asoella confertoradiata* (Tokuyama), p.60, pl.2, fig.8. Holotype.  
[see also Tokuyama (1959b)]
- MM4503. *Asoella confertoradiata* (Tokuyama), p.60, pl.2, fig.9. Paratype.  
[see also Tokuyama (1959b)]
- MM4571. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.28, pl.1,  
fig.3. [see also Tokuyama (1960c)]
- MM5001.\* *Daonella kotoi* Mojsisovics, p.64, pl.2, fig.10. Holotype. [original  
specimen in Wien but now missing; see also Mojsisovics (1888),  
Kobayashi and Tokuyama (1959a)]

HAYAMI

Hayami, I. (1975): continued

- MM5026. *Minetrigonia hegiensis hegiensis* (Saeki), p.106, pl.5, fig.6. Holotype. [see also Saeki (1925), Kobayashi and Ichikawa (1952a)]
- MM5029. *Tosapekten suzukii suzukii* (Kobayashi), p.73, pl.3, fig.7. Holotype. [see also Kobayashi (1931)]
- MM5101. *Oxytoma (Oxytoma) mojsisovicsi* Teller, p.62, pl.3, fig.1. [see also Kobayashi and Ichikawa (1950b)]
- MM5169. *Sakawanella triadica* Ichikawa, p.136, pl.7, fig.4. Holotype [see also Ichikawa (1950)]
- MM5187. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.77, pl.3, fig.8. Holotype. [see also Kobayashi and Ichikawa (1949a)]
- MM5242. *Trigonucula sakawana* Ichikawa, p.19, pl.1, fig.1. Holotype. [see also Ichikawa (1949)]
- MM5301. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.98, pl.4, fig.10. Holotype. [see also Kobayashi and Ichikawa (1951)]
- MM7000. *Nippononaia ryosekiana* (Suzuki), p.94, pl.4, figs.3,4. Holotype. [see also Suzuki (1941), Hayami and Ichikawa (1965)]
- MM7004. *Tetoria (Tetoria) yokoyamai* (Kobayashi and Suzuki), p.142, pl.8, fig.2. Holotype. [see also Kobayashi and Suzuki (1937)]
- MM7011. *Myrene (Mesocorbicula) tetoriensis* (Kobayashi and Suzuki), p.141, pl.8, fig.1. Paratype. [see also Kobayashi and Suzuki (1937)]
- MM7119. *Somapecten kamimanensis* Kimura, p.73, pl.3, fig.4. Holotype. [see also Kimura (1951)]
- MM7120. *Somapecten kamimanensis* Kimura, p.73, pl.3, fig.3. Paratype. [see also Kimura (1951)]
- MM7174. *Geratrigonia hosourensis* (Yokoyama), p.102, pl.5, fig.3. Lectotype. [see also Yokoyama (1904), Kobayashi and Mori (1954)]
- MM7749. *Pseudasaphis japonica* Matsumoto, p.140, pl.7, fig.12. Syntype. [see also Matsumoto (1938)]
- MM7885. *Isodomella shiroiensis* (Yabe and Nagao), p.141, pl.8, fig.4. [see also Kobayashi and Suzuki (1939)]
- MM7921. *Paranodonta otai* Kobayashi and Suzuki, p.92, pl.9, fig.6. Holotype. [see also Kobayashi and Suzuki (1936)]
- MM7992a. *Tetoria (Paracorbicula) yoshimoensis* Ota, p.142, pl.8, fig.3. [see also Kobayashi and Suzuki (1939)]
- MM9076. *Inoceramus (Inoceramus) maedae* Hayami, p.52, pl.2, fig.7. Holotype. [see also Hayami (1960c)]

HAYAMI

Hayami, I. and Ichikawa, T. (1965): Occurrence of *Nippononaia ryosekiana* from the Sanchu area, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.60, pp.145-155, pl.17.

MM7000. *Nippononaia ryosekiana* (Suzuki), p.147, pl.17, figs.1,2a,b. Holotype. [see also Suzuki (1941)]

Other illustrated specimens are preserved in the Kyushu University.

Hayami, I., Matsumoto, T. and Asano, K. (1963): A survey of the fossils from Japan illustrated in classical monographs. Part VIII. E. Naumann and M. Neumayr: *Zur Geologie und Paläontologie von Japan*. *Palaeont. Soc. Japan*, 25th Anniv. Vol., pp.33-36, pls.52,53.

MM7033.\* *Hecticoceras* ? (*Putealicerias* ?) *japonicum* (Neumayr), p.35, pl.53, figs.1,2. [original specimen in Geol. Institut, der Universität, Wien; see also Kobayashi (1935e), Naumann and Neumayr (1890)]

Hayami, I. and Noda, M. (1977): Notes on the morphology of *Neithea* (Cretaceous pectinids) with taxonomic revision of Japanese species. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.105, pp.27-54, pls.5,6.

MM5698. *Neithea* (*Neithea* ?) *alta* Hayami, p.39, pl.5, fig.1. Holotype.

MM5699. *Neithea* (*Neithea* ?) *alta* Hayami, p.39, pl.5, fig.2. Paratype.

MM5700. *Neithea* (*Neithea* ?) *alta* Hayami, p.39, pl.5, fig.3. Paratype.

MM5701. *Neithea* (*Neithea* ?) *alta* Hayami, p.39. Paratype.

MM5702. *Neithea* (*Neithea* ?) *alta* Hayami, p.39, Paratype.

MM5703. *Neithea* (*Neithea*) *atava* (Roemer), p.40, pl.5, fig.4a,b.

MM5704. *Neithea* (*Neithea*) *atava* (Roemer), p.40.

MM5705. *Neithea* (*Neithea*) *atava* (Roemer), p.40.

MM5706. *Neithea* (*Neithea*) *atava* (Roemer), p.40.

MM5707.\* *Neithea* (*Neithea*) *atava* (Roemer), p.40, pl.6, fig.2b. [original specimen in the National Science Museum, Tokyo]

Hayami, I., Sugita, M. and Nagumo, Y. (1960): Pelecypods of the Upper Jurassic and Lowermost Cretaceous Shishiori Group in northeast Japan. *Japan. Jour. Geol. Geogr.*, vol.31, no.1, pp.85-98, pl.8.

MM3634. *Nuculana* (*Praesaccella*) sp., p.88, pl.8, fig.1.



HAYAMI

Hayami, Sugita and Nagumo (1960): continued

- MM3635. *Nuculana (Praesaccella)* sp. ex gr. *yatsushiroensis* Tamura, p.88, pl.8, fig.2.
- MM3636. *Parallelodon kesennumensis* Hayami, p.88, pl.8, fig.3a,b. Holotype.
- MM3637. *Parallelodon kesennumensis* Hayami, p.88, pl.8, fig.4a,b. Paratype.
- MM3638. *Parallelodon (Torinosucatella) kobayashii* Tamura, p.90, pl.8, fig.5.
- MM3639. *Grammatodon* (s. s.) *takiensis* Kimura, p.91, pl.8, fig.6.
- MM3940. *Grammatodon* (s. s.) *takiensis* Kimura, p.91, pl.8, fig.7.
- MM3941. *Gervillia* sp., p.91, pl.8, fig.9.
- MM3942. *Pinna* sp., p.92, pl.8, fig.10.
- MM3943. *Variamussium* cf. *habunokawense* (Kimura), p.92, pl.8, fig.11.
- MM3944. *Variamussium* cf. *habunokawense* (Kimura), p.92, pl.8, fig.12.
- MM3945. *Variamussium* cf. *habunokawense* (Kimura), p.92, pl.8, fig.13.
- MM3946. *Entolium kimurai* Tamura, p.93, pl.8, fig.14.
- MM3947. *Limatula akiyamae* Hayami, p.93, pl.8, fig.15a,b. Holotype.
- MM3948. *Limatula akiyamae* Hayami, p.93. Paratype. (missing)
- MM3651. *Grammatodon* sp., p.91, pl.8, fig.8.
- MM3652. *Astarte* cf. *spitiensis* Stoliczka, p.94, pl.8, fig.16.
- MM3653. *Astarte* cf. *spitiensis* Stoliczka, p.94, pl.8, fig.17.
- MM3654. *Astarte* n. sp., p.95, pl.8, fig.18a,b.
- MM3655. *Astarte* (?) sp., p.95, pl.8, fig.19.
- MM3656. *Coelastarte* sp., p.95, pl.8, fig.20.
- MM3657. *Pleuromya* sp., p.96, pl.8, fig.21.
- MC3659. *Trochocyathus (Platycyathus)* sp., p.96, pl.8, fig.22.
- MC3660. *Trochocyathus (Platycyathus)* sp., p.96, pl.8, fig.23.
- MC3661. *Trochocyathus (Platycyathus)* sp., p.96, pl.8, fig.24.

HIRANO

Hirano, H. (1971): Biostratigraphic study of the Jurassic Toyora Group.

Part I. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.21, no.1, pp.93-128, pls.14-20.

- MM7072. *Harpoceras* (*Harpoceras*) *okadai* (Yokoyama), p.127, pl.20, fig.1. Holotype. [see also Yokoyama (1904b)]
- MM7073. *Dactylioceras* (*Dactylioceras*) *helianthoides* Yokoyama, p.104, pl.14, fig.9. Lectotype. [see also Yokoyama (1904b)]
- MM7074. *Dactylioceras* (*Dactylioceras*) *helianthoides* Yokoyama, p.104, pl.14, fig.8a,b. Paralectotype. [see also Yokoyama (1904b)]
- MM7075. *Dactylioceras* (*Dactylioceras*) *helianthoides* Yokoyama, p.104, pl.14, fig.10. Paralectotype. [see also Yokoyama (1904b)]

Hirano, H. (1973a): Biostratigraphic study of the Jurassic Toyora Group.

Part II. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.89, pp.1-14, pls.1-4.

- MM7058. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.1, fig.1. Lectotype. [see also Yokoyama (1904b)]
- MM7059. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.1, fig.2. Paralectotype. [see also Yokoyama (1904b)]
- MM7060. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.1, fig.3. Paralectotype. [see also Yokoyama (1904b)]
- MM7061. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.2, fig.2. Paralectotype. [see also Yokoyama (1904b)]
- MM7062. *Harpoceras* (*Harpoceras*) *inouei* (Yokoyama), p.4, pl.1, fig.4. Lectotype. [see also Yokoyama (1904b)]
- MM7063. *Harpoceras* (*Harpoceras*) *inouei* (Yokoyama), p.4, pl.1, fig.5. Paralectotype. [see also Yokoyama (1904b)]
- MM7064. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.2, fig.3. [see also Yokoyama (1904b)]
- MM7065. *Harpoceras* (*Harpoceras*) *chrysanthemum* (Yokoyama), p.1, pl.2, fig.1. [see also Yokoyama (1904b)]
- MM7071. *Harpoceras* (*Harpoceras*) sp. cf. *H. (H.) exaratum* (Young and Bird), p.7, pl.2, fig.4.

Hirano, H. (1973b): Biostratigraphic study of the Jurassic Toyora Group.

Part III. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.90, pp.45-71, pls.9,10.

- MM7066. *Peronoceras subfibulatum* (Yokoyama), p.47, pl.9, fig.6. Lectotype. [see also Yokoyama (1904b)]

HIRANO - HOWELL

Hirano, H. (1973b): continued

- MM7067. *Peronoceras subfibulatum* (Yokoyama), p.47, pl.9, fig.5. Paralectotype. [see also Yokoyama (1904b)]
- MM7068. *Peronoceras subfibulatum* (Yokoyama), p.47, pl.9, fig.1. Paralectotype. [see also Yokoyama (1904b)]
- MM7069. *Peronoceras subfibulatum* (Yokoyama), p.47, pl.9, fig.3. Paralectotype. [see also Yokoyama (1904b)]

Howell, B. F. and Kobayashi, T. (1936): A new notostracan genus from the Ordovician of Siberia. *Ann. Carnegie Mus.*, vol.25, pp.59-61.

- PA1390.\* *Tolmachovia concentrica* Howell and Kobayashi, p.60, text-figs. 1,2. Holotype.
- PA1391.\* *Tolmachovia concentrica* Howell and Kobayashi, p.60, text-fig.3. Paratype.
- PA1392.\* *Tolmachovia concentrica* Howell and Kobayashi, p.60, text-fig.4. Paratype.

Only plaster casts are preserved in this museum. The original specimens belonged to the Geological Museum of the Russian Academy of Science.

ICHIKAWA

Ichikawa, K. (1949): *Trigonucula* (nov.) and other taxodont pelecypods from the Upper Triassic of the Sakawa basin in Shikoku, Japan. *Japan. Jour. Geol. Geogr.*, vol.21, nos.1-4, pp.267-272, pl.10.

- MM5242. *Trigonucula sakawana* Ichikawa, p.268, pl.10, fig.1. Holotype.
- MM5243. *Trigonucula sakawana* Ichikawa, p.268, pl.10, figs.2,3. Paratype.
- MM5244. *Trigonucula sakawana* var. *tokombensis* Ichikawa, p.269, pl.10, figs.4,5. Holotype.
- MM5245. *Trigonucula sakawana* var. *lata* Ichikawa, p.269, pl.10, fig.6. Holotype.
- MM5246. "*Nucula*" *iwayai* Ichikawa, p.269, pl.10, fig.7. Holotype.
- MM5247. *Palaeoneilo tenelliformis* Kobayashi and Ichikawa, p.271, pl.10, fig.8. Holotype.

Ichikawa, K. (1950): *Sakawanella*, new genus, and some other pelecypods from the Upper Triassic Kochigatani Group in the Sakawa basin, Shikoku, Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, part 3, pp.245-256, pl.5.

- MM5169. *Sakawanella triadica* Ichikawa, p.246, pl.5, fig.1. Holotype.
- MM5170. *Sakawanella triadica* Ichikawa, p.246, pl.5, fig.2. Paratype.
- MM5171. *Sakawanella triadica* Ichikawa, p.246, pl.5, fig.3. Paratype.
- MM5172. *Sakawanella triadica* Ichikawa, p.246, pl.5, fig.4. Paratype.
- MM5173. *Sakawanella triadica* Ichikawa var. a, p.246, pl.5, fig.5.
- MM5174. *Sakawanella triadica* Ichikawa var. b, p.246, pl.5, figs.6,7.
- MM5177. *Schafh utlia mellingi* Hauer *japonica* Ichikawa, p.250, pl.5, fig. 8a,b. Holotype.
- MM5179. *Schafh utlia* ? a sp., p.252, pl.5, fig.12a,b.
- MM5182. *Schafh utlia* ? b sp., p.253, pl.5, fig.9a-c.
- MM5183. *Myophoriopis* (*Pseudocorbula* ?) *orbicularis* Ichikawa, p.249, pl.5, fig.10. Holotype.
- MM5184. *Myophoriopis* (*Pseudocorbula* ?) *orbicularis* Ichikawa, p.249, pl.5, fig.11. Paratype.
- MM5185. *Schafh utlia* ? c sp., p.253, pl.5, fig.14.
- MM5186. "*Cuspidaria*"? sp., p.254, pl.5, fig.13.

ICHIKAWA

Ichikawa, K. (1951a): *Actinodontophora*, nov. and other Permian Mollusca from Katsura, in the Sakawa basin, Shikoku, southwest Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, parts 6-10, pp.317-335, pl.1.

- PM5306. *Actinodontophora katsurensis* Ichikawa, p.327, pl.1, fig.17a,b. Holotype.
- PM5307. *Actinodontophora katsurensis* Ichikawa, p.327, pl.1, fig.18a,b. Paratype.
- PM5308. *Actinodontophora katsurensis* Ichikawa, p.327, pl.1, fig.15. Paratype.
- PM5309. *Actinodontophora katsurensis* Ichikawa, p.327, pl.1, fig.16. Paratype.
- PM5311. *Nuculopsis (Palaeonucula) orientalis* Ichikawa, p.322, pl.1, fig.1. Holotype.
- PM5312. *Nuculopsis (Palaeonucula)* a sp., p.323, pl.1, fig.2.
- PM5313. "*Nucula*" sp., p.321, pl.1, fig.14.
- PM5314. *Palaeoneilo* sp., p.320, pl.1, fig.3a,b.
- PM5315. *Edmondia* ? a sp., p.324, pl.1, fig.9.
- PM5316. *Edmondia* ? b sp., p.324, pl.1, fig.8.
- PM5317. *Schizodus kobayashii* Ichikawa, p.325, pl.1, fig.4. Holotype.
- PM5318. *Schizodus kobayashii* Ichikawa, p.325, pl.1, fig.5. Paratype.
- PM5319. *Schizodus kobayashii* Ichikawa, p.325, pl.1, fig.6. Paratype.
- PM5320. *Schizodus* ? *radiatus* Ichikawa, p.325, pl.1, fig.7. Holotype.
- PM5321. *Myalina* ? sp., p.331, pl.1, fig.10.
- PM5322. *Straparollus* ? sp., p.319, pl.1, fig.11a,b.
- PM5323. *Dentalium (Laevidentalium)* sp. aff. *D. (L.) priscum* Münster in Hayasaka, p.332, pl.1, fig.12.
- PM5324. *Dentalium (Laevidentalium)* sp. aff. *D. (L.) priscum* Münster in Hayasaka, p.332, pl.1, fig.13.

Ichikawa, K. (1951b): Notes on the Entomonotis-bearing Triassic formation at Iwai near Itsukaichi, Tokyo Prefecture with a description of a new Entomonotis. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.2, pp.43-48.

- MM5369. *Entomonotis iwaiensis* Ichikawa, p.46, text-fig.1a-c. Holotype.
- MM5370. *Entomonotis iwaiensis* Ichikawa, p.46, text-fig.2a-c. Paratype.

ICHIKAWA

Ichikawa, K. (1954a): Triassic Mollusca from the Arai Formation at Iwai near Itsukaichi, Tokyo Prefecture. *Japan. Jour. Geol. Geogr.*, vol.24, pp.45-70, pl.7.

- MM5415. *Cultriopsis* (*Angustella* ?) *hosonaga* Kobayashi and Ichikawa, p.55, pl.7, fig.1a,b. Holotype.
- MM5417. "*Gervillia*" *araiensis* Ichikawa, p.51, pl.7, fig.14. Holotype.
- MM5418. "*Gervillia*" cfr. *araiensis* Ichikawa, p.52, pl.7, fig.15.
- MM5419. *Mytilus* (?) *chohi* Ichikawa, p.48, pl.7, fig.11. Holotype.
- MM5420. *Mytilus* (?) *chohi* Ichikawa, p.48, pl.7, fig.12. Paratype.
- MM5422. *Myoconcha planata* Kobayashi and Ichikawa, p.62, pl.7, fig.7. Holotype.
- MM5423. *Myoconcha* sp., p.63, pl.7, fig.8.
- MM5424. *Mytilus* (?) *punctus* Ichikawa, p.50, pl.7, fig.9. Holotype.
- MM5425. *Mytilus* (?) *punctus* Ichikawa, p.50, pl.7, fig.10. Paratype.
- MM5426. *Myophoria* sp., p.61, pl.7, fig.5.
- MM5427. *Myophoria multistriata* Kobayashi and Ichikawa, p.59, pl.7, fig.2. Holotype.
- MM5428. *Myophoria multistriata* Kobayashi and Ichikawa, p.59, pl.7, fig.3. Paratype.
- MM5429. *Myophoria multistriata* Kobayashi and Ichikawa, p.59, pl.7, fig.4. Paratype.
- MM5431. *Myophoria tokyoensis* Ichikawa, p.58, pl.7, fig.6a-c. Holotype.
- MM5433. *Leptochondria* ? sp., p.57, pl.7, fig.17.
- MM5434. "*Entolium*" (?) sp., p.57, pl.7, fig.17.
- MM5435. *Naticella* (?) sp., p.64, pl.7, fig.13.
- MM5436. *Pleurotomaria* (?) sp., p.66, pl.7, fig.18a-c.
- MM5437. "*Pecten*" sp., p.65, text-figs.1,2. (missing)

Ichikawa, K. (1954b): Early Neo-Triassic pelecypods from Iwai, near Itsukaichi, Tokyo Prefecture. *Japan. Jour. Geol. Geogr.*, vol.25, nos.3-4, pp.177-195, pl.17.

- MM5438. *Trigonucula sakawana* (Ichikawa) var. *inequilatera* Ichikawa, p.183, pl.17, fig.7. Holotype.
- MM5439. *Trigonucula* ? sp., p.185, pl.17, fig.6.
- MM5440a. *Palaeoneilo sakuradaniensis* Ichikawa, p.180, pl.17, fig.4.
- MM5440b. *Palaeoneilo sakuradaniensis* Ichikawa, p.180, pl.17, fig.5.

ICHIKAWA

Ichikawa, K. (1954b): continued

- MM5441a. *Palaeoneilo iwaiensis* Ichikawa, p.181, pl.17, fig.1. Holotype.  
MM5441b. *Palaeoneilo iwaiensis* Ichikawa, p.181, pl.17, fig.2. Paratype.  
MM5442. *Palaeoneilo iwaiensis* Ichikawa, p.181, pl.17, fig.3. Paratype.  
MM5443. *Tosapecten* sp., p.192, pl.17, fig.13.  
MM5444. *Camptonectes* ? sp., p.192, pl.17, fig.14.  
MM5449. *Neoschizodus* ? sp., p.191, pl.17, fig.10.  
MM5450. *Neoschizodus* a sp., p.189, pl.17, fig.8a,b.  
MM5451. *Neoschizodus* b sp., p.190, pl.17, fig.9a,b.  
MM5527. *Halobia* sp., p.188, pl.17, fig.11.  
MM5528. *Halobia* sp., p.188, pl.17, fig.12.  
MM5530. *Halobia molukkana* Wanner, p.186, pl.17, fig.16.  
MM5531. *Halobia* cfr. *molukkana* Wanner, p.186, pl.17, fig.17.  
MM5532. *Halobia* aff. *austriaca* Mojsisovics, p.187, pl.17, fig.15.

Ichikawa, K. (1954c): Late Triassic pelecypods from the Kochigatani Group  
in the Sakuradani and Kito areas, Tokushima Prefecture, Shikoku, Japan.  
Part 1. *Jour. Inst. Polytechn. Osaka City Univ.*, ser.G, vol.1, no.1,  
pp.35-57, pls.1,2.

- MM5422. *Oxytoma pulchra* ? Kobayashi and Ichikawa, p.49, pl.2, fig.12.  
MM5423. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.8.  
MM5425. *Halobia kawadai* Yehara, p.54, pl.1, fig.3.  
MM5445. *Palaeoneilo sakuradaniensis* Ichikawa, p.42, pl.1, fig.1a,b. Holotype.  
MM5446. *Palaeoneilo sakuradaniensis* Ichikawa, p.42, pl.1, fig.2. Paratype.  
MM5447. *Palaeoneilo* a sp., p.44, pl.1, fig.8.  
MM5448. *Palaeoneilo* b sp., p.45, pl.1, fig.9a,b.  
MM5464a. *Palaeoneilo fujinohira* Ichikawa, p.43, pl.1, fig.7. Holotype.  
MM5464b. *Palaeoneilo fujinohira* Ichikawa, p.43, pl.1, fig.6. Paratype.  
MM5464c. *Palaeoneilo fujinohira* Ichikawa, p.43, pl.1, fig.5a,b. Paratype.  
MM5465. *Nuculopsis* (*Palaeonucula*) aff. *expansa* (Wissmann), p.45, pl.1, fig.4. (missing)  
MM5475. *Pleuromysidia dubia* Ichikawa, p.52, pl.1, fig.14. Holotype.  
MM5476. *Pleuromysidia dubia* Ichikawa, p.52, pl.1, fig.13, pl.2, fig.3. Paratype.  
MM5477. *Pleuromysidia dubia* Ichikawa, p.52, pl.2, fig.2. Paratype.

ICHIKAWA

Ichikawa, K. (1954c): continued

- MM5478. *Pleuromysidia dubia* Ichikawa, p.52, pl.2, fig.1. Paratype.  
MM5479. *Pleuromysidia dubia* Ichikawa, p.52, pl.2, fig.4. Paratype.  
MM5480. *Pteria* ? sp., p.48, pl.1, fig.12.  
MM5486. *Pleuromysidia dubia* Ichikawa, p.52, pl.2, fig.5a,b. Paratype.  
MM5489. *Mytilus (Falcimylus) nasai* Kobayashi and Ichikawa, p.46, pl.1, fig.11.  
MM5490. *Mytilus (Falcimylus) nasai* var. *nagaides* Kobayashi and Ichikawa, p.47, pl.1, fig.10a-c.  
MM5497a. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.7.  
MM5497b. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.11.  
MM5498. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.7.  
MM5499. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.10.  
MM5523. *Oxytoma pulchra* Kobayashi and Ichikawa, p.49, pl.2, fig.8.  
MM5525. *Halobia kawadai* Yehara, p.54, pl.1, fig.3.

Ichikawa, K. (1954d): Late Triassic pelecypods from the Kochigatani Group in the Sakuradani and Kito areas, Tokushima Prefecture, Shikoku, Japan.  
Part 2. *Jour. Inst. Polytechn. Osaka City Univ.*, ser.G, vol.2, pp.53-70, pls.3,4.

- MM5231. *Neoschizodus (Okunominetania) okunominetaniensis* (Ichikawa), p.62, pl.4, fig.2. [see also Kobayashi and Ichikawa (1949b)]  
MM5232. *Neoschizodus (Okunominetania) okunominetaniensis* (Ichikawa), p.62, pl.4, fig.3. [see also Kobayashi and Ichikawa (1949b)]  
MM5453a. *Neoschizodus (Okunominetania) okunominetaniensis* (Ichikawa), p.62, pl.4, fig.1.  
MM5453b. *Neoschizodus* a sp., p.61, pl.4, fig.8.  
MM5454. *Tosapekten suzukii* (Kobayashi), s. str., p.54, pl.3, fig.4.  
MM5455. *Tosapekten suzukii* (Kobayashi), s. str., p.54, pl.3, fig.5.  
MM5456. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.53, pl.3, fig.1.  
MM5458. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.53, pl.3, fig.3.  
MM5459. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.53, pl.3, fig.2. (missing)  
MM5460a. *Pseudolimea ? naumanni* var. *obliqua* Kobayashi and Ichikawa, p.56, pl.3, fig.11.  
MM5460b. *Pseudolimea ? naumanni* (Kobayashi and Ichikawa), p.55, pl.3, fig.12.



ICHIKAWA

Ichikawa, K. (1954d): continued

- MM5461. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.63, pl.4, fig.9.  
MM5462. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.63, pl.4, fig. 10a,b.  
MM5464. *Neoschizodus* ? b sp., p.61, pl.4, fig.6.  
MM5467. Gen. et sp. nov. indet., p.66, pl.4, fig.15.  
MM5468. *Schafhäutlia* ? sp., p.65, pl.4, fig.11.  
MM5469. *Astarte* ? *iwayai* Ichikawa, p.65, pl.4, fig.5. Holotype.  
MM5470. *Astarte* ? *iwayai* Ichikawa, p.65, pl.4, fig.4. Paratype.  
MM5472. *Anodontophora* ? sp., p.56, pl.3, fig.7.  
MM5481. *Cardinia misawensis* Kobayashi and Ichikawa, p.58, pl.4, fig.12.  
MM5482a. *Cardinia misawensis* Kobayashi and Ichikawa, p.58, pl.4, fig.13a,b.  
MM5482b. *Cardinia misawensis* Kobayashi and Ichikawa, p.58, pl.4, fig.14.  
MM5483. *Cardinia misawensis* Kobayashi and Ichikawa, p.58, pl.4, fig.7.  
MM5484a. *Trigonodus* ? *hashimotoi* Ichikawa, p.59, pl.3, fig.10. Paratype.  
MM5484b. *Trigonodus* ? *hashimotoi* Ichikawa, p.59, pl.3, fig.9. Holotype.  
MM5485. *Trigonodus* ? *hashimotoi* Ichikawa, p.59, pl.3, fig.8. Paratype.  
MM5488. *Megalodon* ? sp., p.57, pl.3, fig.6a-c.

Ichikawa, K. (1963): A survey of the fossils from Japan illustrated in classical monographs. Part IV. E. Mojsisovics: Über einige japanische Trias-fossilien. Palaeont. Soc. Japan, 25th Anniv. Vol., pp.9-11, pls. 17-20.

- MM5001.\* *Daonella kotoi* Mojsisovics, p.10, pl.18, fig.3. Holotype. [see also Mojsisovics (1888)]  
MM5002.\* *Daonella sakawana* Mojsisovics, p.10, pl.18, fig.4. Lectotype. [see also Mojsisovics (1888)]  
MM5003.\* *Daonella* cf. *densisulcata* Yabe and Shimizu, p.10, pl.18, fig.5. [see also Mojsisovics (1888)]  
MM5008. *Hollandites japonicus* (Mojsisovics), p.10, pl.17, fig.1. Syntype. [see also Mojsisovics (1888)] (missing)  
MM5009. *Hollandites japonicus* (Mojsisovics), p.10, pl.17, fig.2. Syntype. [see also Mojsisovics (1888)]  
MM5010. *Hollandites haradai* (Mojsisovics), p.10, pl.17, fig.3. Holotype. [see also Mojsisovics (1888)]  
MM5011. *Hollandites* cf. *japonicus* (Mojsisovics), p.10, pl.17, fig.4. [see also Mojsisovics (1888)]

ICHIKAWA

Ichikawa, K. (1963): continued

- MM5012.\* *Cyrtopleurites ? sakawanus* (Mojsisovics), p.10, pl.17, fig.5. Holotype. [see also Mojsisovics (1888)]
- MM5013. *Danubites naumanni* (Mojsisovics), p.10, pl.18, fig.1. Holotype. [see also Mojsisovics (1888)]
- MM5014. *Balatonites gottschei* (Mojsisovics), p.10, pl.18, fig.2a,b. Holotype. [see also Mojsisovics (1888)]
- MM5015. *Gymnites watanabei* Mojsisovics, p.11, pl.19. Holotype. [see also Mojsisovics (1888)]
- MM5016. *Japonites planiplicatus* (Mojsisovics), p.11, pl.20. Holotype. [see also Mojsisovics (1888)]
- MM5080.\* *Monotis (Entomonotis) ochotica densistriata* (Teller), p.11, pl. 18, fig.7a,b. [see also Mojsisovics (1888)]
- MM5081.\* aff. *Monotis (Entomonotis) ochotica eurachis* (Teller), p.11, pl. 18, fig.6. [see also Mojsisovics (1888)]

Only dental modeling casts are preserved in this museum for the specimens with an asterisk. The original specimens are probably in Wien but now missing.

Ichikawa, K. and Maeda, Y. (1958): Late Cretaceous pelecypods from the Izumi Group. Part II. Orders Taxodontida, Prionodontida, Dysodontida, Desmodontida and Adapedontida. *Jour. Inst. Polytechn. Osaka City Univ.*, ser.G, vol.4, pp.71-122, pls.3-5.

- MM7723. *Leionucula azenotanensis* Ichikawa and Maeda, p.77, pl.3, fig.8a,b. Paratype.
- MM7726. *Portlandia* sp. aff. *P. furcata* Ichikawa and Maeda, p.84, pl.4, fig.10a,b.
- MM7738. *Micronectes bellaturus* Ichikawa and Maeda, p.98, pl.5, fig.14. Paratype.

Other type and illustrated specimens are preserved in the Osaka City University.

IWASAKI

Iwasaki, Y. (1963): *Pseudamiantis*, a pelecypod genus. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.51, pp.91-101, pls.14,15.

MM3823. "*Callista*" (*Pseudamiantis*) *crenulatus* Matsumoto, p.94, pl.15, fig.4.

MM3824. "*Callista*" (*Pseudamiantis*) *crenulatus* Matsumoto, p.94, pl.15, fig.6.

MM3825. "*Callista*" (*Pseudamiantis*) *crenulatus* Matsumoto, p.94, pl.15, fig.7.

MM7551. "*Callista*" (*Pseudamiantis*) *crenulatus* Matsumoto, p.94, pl.15, fig.5. Lectotype. [see also Matsumoto (1938)]

# JIMBO

Jimbo, K. (1894): Beiträge zur Kenntniss der Fauna der Kreideformation von Hokkaido. *Palaeont. Abhandl.*, N. F., vol.2, part 3, pp.140-194, pls.1-9.

- MM4465. *Trigonia longiloba* Jimbo, p.188, pl.8, fig.3. Paralectotype.
- MM7481. [= I-151] *Inoceramus incertus* Jimbo, p.189, pl.8, fig.7. Syntype.
- ME7482. [= I-160] *Ananchytinarum* sp., p.191, pl.9, fig.8.
- MA7483. [= I-159] *Eucorystes japonicus* Jimbo, p.191, pl.9, fig.7. Holotype.
- MB7484. [= I-158] *Rhynchonella* sp., p.191, pl.9, fig.6. (missing)
- MM7485. [= I-141] *Helcion* cf. *giganteus* Fr. Schmidt, p.187, pl.9, fig.5. (missing)
- MM7486. [= I-142] *Helcion* cf. *giganteus* Fr. Schmidt, p.187, pl.9, fig.4.
- MM7487. [= I-155] *Inoceramus digitatus* Sowerby, p.189, pl.8, fig.10. (missing)
- MM7488. [= I-148, Cr.1285] *Trigonia subovalis* Jimbo, p.188, pl.8, fig.5. Lectotype.
- MM7489. [= I-143] *Trigonia longiloba* Jimbo, p.188, pl.8, figs.2,4. Lectotype. (missing)
- MM7490. [= I-126a] *Hamites quadrinodosus* Jimbo, p.185, pl.7, fig.4. Paralectotype.
- MM7491. [= I-118] *Lytoceras denseplicatum* Jimbo, p.182, pl.7, fig.1,1a. Holotype.
- MM7492. [= I-117] *Lytoceras crassicostatum* Jimbo, p.182, pl.6, fig.7,7a. Holotype.
- MM7493. [= I-116] *Lytoceras striatum* Jimbo, p.181, pl.6, fig.6. Holotype.
- MM7494. [= I-114] *Lytoceras sphaeronotum* Jimbo, p.181, pl.6, fig.4. Syntype. (missing)
- MM7495. [= I-109] *Lytoceras Sacya* Forbes, p.190, pl.6, fig.1,1a.
- MM7496. [= I-102] *Pachydiscus subtililobatus* Jimbo, p.176, pl.4, fig.2, 2a. Holotype.
- MM7497. [= I-101] *Pachydiscus teshioensis* Jimbo, p.176, pl.3, fig.1,1a. Holotype.
- MM7498. [= I-100] *Pachydiscus Haradai* Jimbo, p.175, pl.2, fig.2,2a. Lectotype.
- MM7499. [= I-94] *Desmoceras planulatiforme* Jimbo, p.173, pl.1, fig.4,4a. Lectotype.
- MM7500. [= I-91] *Desmoceras Damesi* Jimbo, p.172, pl.1, fig.2,2a. Lectotype.
- MM7502. [= I-88] *Placenticeras subtilistriatum* Jimbo, p.171, pl.1, fig. 1,1a. Syntype.

# JIMBO

Jimbo, K. (1894): continued

- MM7503. [= I-92a] *Desmoceras Damesi* Jimbo, p.172, pl.1, fig.3. Paralectotype.
- MM7504. [= I-92b] *Desmoceras Damesi* Jimbo, p.172. Paralectotype.
- MM7505. [= I-93a] *Desmoceras Damesi* Jimbo, p.172. Paralectotype.
- MM7506. [= I-93b] *Desmoceras Damesi* Jimbo, p.172. Paralectotype.
- MM7507. [= I-95] *Desmoceras Ishikawai* Jimbo, p.174, pl.1, fig.5,5a. Lectotype.
- MM7508. [= I-97] *Desmoceras yubarense* Jimbo, p.174, pl.1, fig.6,6a. Holotype.
- MM7509. [= I-98] *Desmoceras Kawanoi* Jimbo, p.174, pl.1, fig.7,7a. Holotype.
- MM7510. [= I-99] *Pachydiscus Denisonianus* Stoliczka, p.175, pl.2, fig.1, 1a.
- MM7511. [= I-103] *Pachydiscus Yokoyamai* Jimbo, p.177, pl.2, fig.3,3a. Lectotype.
- MM7512. [= I-105] *Acanthoceras rotomagense* var. *asiatica* Jimbo, p.177, pl.4, fig.1,1a. Holotype.
- MM7513. [= I-111] *Lytoceras glabrum* Jimbo, p.180, pl.6, fig.2,2a. Syntype.
- MM7514. [= I-113] *Lytoceras sphaeronotum* Jimbo, p.181, pl.6, fig.3,3a. Syntype.
- MM7515. [= I-115] *Lytoceras crassum* Jimbo, p.181, pl.6, fig.5,5a. Holotype.
- MM7516. [= I-106] *Acanthoceras pseudodeverianum* Jimbo, p.178, pl.5, fig. 1,1a. Holotype.
- MM7517. [= I-107] *Holcodiscus Kotoi* Jimbo, p.179, pl.5, fig.2,2a. Holotype.
- MM7518. [= I-108] *Olcostephanus* sp., p.179, pl.9, fig.3,3a.
- MM7519. [= I-119] *Scaphites Yokoyamai* Jimbo, p.183, pl.5, fig.3,3a. Syntype.
- MM7520. [= I-120] *Scaphites puerculus* Jimbo, p.183, pl.5, fig.4,4a. Lectotype.
- MM7521. [= I-122] *Crioceras spinigerum* Jimbo, p.184, pl.8, fig.1. Syntype.
- MM7522. [= I-123] *Crioceras spinigerum* Jimbo, p.184, pl.8, fig.1a,b. Syntype.
- MM7523. [= I-124] *Hamites obstrictum* Jimbo, p.184, pl.7, fig.2,2a. Lectotype.
- MM7524. [= I-125] *Hamites quadrinodosus* Jimbo, p.185, pl.7, fig.3,3a. Lectotype.

JIMBO - KAMBE - KANIE

Jimbo, K. (1894): continued

- MM7525. [= I-127] *Hamites* sp., p.185, pl.7, fig.5,5a.
- MM7526. [= I-128] *Hamites* sp., p.185, pl.7, fig.6.
- MM7529. [= I-129] *Hamites* sp., p.185, pl.7, fig.7,7a.
- MM7530. [= I-130] *Hamites* sp., p.186, pl.9, fig.1.
- MM7531. [= I-131] *Hamites* sp., p.186, pl.9, fig.2,2a.
- MM7532. [= I-132] *Turrilites* sp., p.187, pl.1, fig.8,8a.
- MM7534. [= I-150] *Inoceramus angulosus* Jimbo, p.189, pl.8, fig.6. Holotype.
- MM7535. [= MM7481] *Inoceramus incertus* Jimbo, p.189, pl.8, fig.7. Syntype.
- MM7536. [= I-153] *Inoceramus digitatus* Sowerby, p.189, pl.8, fig.8.
- MM7537. [= I-154] *Inoceramus digitatus* Sowerby, p.189, pl.8, fig.9.
- MM7538. [= I-156] *Inoceramus* aff. *lobatus* Münster, p.190, pl.8, fig.11.

Kambe, N. (1951): On the myophorians from Kyoto Prefecture (Prov. Tango).

*Trans. Proc. Palaeont. Soc. Japan*, N. S., no.2, pp.49-56, pl.4.

- MM6471. *Myophoria tangoensis* Kambe, p.51, pl.4, fig.1a,b. Holotype.
- MM6472. *Myophoria shidakensis* Kambe, p.51, pl.4, fig.2a,b. Holotype.
- MM6473. *Myophoria* a sp. nov., p.52, pl.4, fig.3.
- MM6474. *Myophoria* b sp. nov. by Kobayashi and Ichikawa, 1949, p.52, pl.4, fig.4a,b.
- MM6475. Cfr. *Myophoria laevigata* (Ziethen) var. *elongata* Phil., p.53, pl.4, fig.5a,b.
- MM6476. Cfr. *Myophoria laevigata* (Ziethen) var. *rotunda* Phil., p.53, pl.4, fig.6a,b.
- MM6477. *Myophoria goldfussi* Alb. in Bittner var. *kobayashii* Kambe, p.54, pl.4, fig.7a,b. Holotype.

Kanie, Y. (1975): Some Cretaceous patelliform gastropods from the northern Pacific region. *Sci. Rept. Yokosuka City Museum*, no.21, pp.1-44, pls. 1-20.

- MM5534. *Anisomyon giganteus* (Schmidt), p.23, pl.9, fig.1.

KAWADA

Kawada, M. (1929): On some new species of ammonites from the Naibuchi district, south Saghalin. *Jour. Geol. Soc. Tokyo*, vol.36, no.428, pp. 1-6, pl.14.

MM7666. *Nipponites mirabilis* var. *sachalinensis* Kawada, p.5, pl.14, fig. 1. Holotype.

MM7701. *Mortoniceras Kawasaki* Kawada, p.4, pl.14, figs.2,3. Holotype.

Kawada, M. in Kawasaki, M. (1934): "Report of investigation on the coal-field of Saghalin. no.1. pp., 12 pls. *Karafuto-cho*. [in Japanese]

MM6301. *Phylloceras ezoense* Yokoyama, pl.2, fig.3. (missing)

MM6302. *Gaudryceras tenuiliratum* Yabe, pl.3, fig.5.

MM6303. *Gaudryceras tenuiliratum* var. *infrequens* Yabe, pl.3, fig.6. (missing)

MM6304. [= I-460] *Gaudryceras tenuiliratum* var. *ornata* Yabe, pl.4, fig.7. Holotype.

MM6305. *Gaudryceras denseplicatum* Jimbo, pl.4, fig.8. (missing)

MM6306. [= I-482] *Gaudryceras yamashitai* Yabe, pl.5, fig.9.

MM6307. [= I-483] *Tetragonites glabrus* Jimbo, pl.5, fig.10.

MM6310. [= I-519] *Hamites* cfr. *armatum* Sowerby, pl.7, fig.15.

MM6311. [= I-2908] *Hamites (Anisoceras) subcompressus* Forbes, pl.8, fig. 17.

MM6312. [= I-2754] *Parapachydiscus haradai* Jimbo, pl.10, fig.20.

MM6313. *Anapachydiscus sutneri* Yokoyama, pl.10, fig.22. (missing)

MM6314. *Parapachydiscus yezoensis* Yokoyama, pl.12, fig.26. (missing)

MM7666. *Nipponites mirabilis* var. *sachalinensis* Kawada, pl.6, fig.12. Holotype. [see also Kawada (1929)]

MM7670. [= I-515] *Hamites (Polyptychoceras)* sp., pl.7, fig.14.

MM7671. [= I-516] *Hamites indicus* Forbes, pl.7, fig.13.

MM7672. [= I-520] *Hamites* cfr. *armatum* Sowerby, pl.8, fig.16.

MM7679. [= I-527] *Parapachydiscus egertonianus* Forbes, pl.9, fig.19.

MM7680. [= I-530] *Neopachydiscus naumanni* Yokoyama, pl.11, fig.23.

MM7683. [= I-534] *Parapachydiscus (Menuites) menu* Forbes, pl.10, fig.21.

MM7695. [= I-545] *Puzosia planilatiforme* Jimbo, pl.11, fig.24.

MM7697. [= I-547] *Kossmaticeras ishikawai* Jimbo, pl.11, fig.25.

MM7702. [= I-551] *Mortoniceras* sp., pl.9, fig.18.

MM7704. [= I-554] *Hauericeras gardeni* Bailly, pl.12, fig.28.

MM7707. [= I-557] *Neocrioceras spingerum* Jimbo, pl.12, fig.27.

KIMURA

Kimura, T. (1944a): The radiolarian fauna of the Naradani Formation in the Sakawa basin in the Provinces of Tosa. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.273-279, pl.29.

- MF9604a. *Cenosphaera* sp., p.275, pl.29, figs.1,20.
- MF9604b. *Dorysphaera* sp., p.276, pl.29, figs.9,16.
- MF9604c. *Staurolonchidium* sp., p.276, pl.29, figs.5,14.
- MF9604d. *Ellipsoxiphus* sp., p.277, pl.29, figs.3,18.
- MF9604e. *Dicolocapsa* b sp., p.278, pl.29, figs.4,19.
- MF9604f. *Dicolocapsa* (?) c sp., p.278, pl.29, figs.11,21.
- MF9604g. *Dictyomitra* cfr. *Haeckelli* (Pantaneli), p.279, pl.29, figs.8, 24.
- MF9605a. *Carposphaera* sp., p.275, pl.29, figs.2,17.
- MF9605b. *Xiphosphaera* sp., p.276, pl.29, figs.7,22.
- MF9605c. *Porodiscus* sp., p.277, pl.29, figs.12,13.
- MF9605d. *Halicapsa* sp., p.277, pl.29, figs.10,15.
- MF9605e. *Dicolocapsa* a sp., p.278, pl.29, figs.6,23.

Kimura, T. (1944b): A study on the radiolarian chert at Hukuda on the southeastern border of the Sakawa basin in the Province of Tosa. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.281-284, pl.30.

- MF9606a. *Cenosphaera* cfr. *regularis* Rüst, p.282, pl.30, figs.4,8.
- MF9606b. *Carposphaera* a sp., p.283, pl.30, figs.1,15.
- MF9606c. *Cenellipsis* cfr. *gigantea* Rüst, p.283, pl.30, figs.2,14.
- MF9607a. *Rhopalastrum* sp., p.283, pl.30, figs.3,9.
- MF9607b. *Dicolocapsa* d sp., p.284, pl.30, figs.7,11.
- MF9608. *Tetrahedrina* sp., p.284, pl.30, figs.5,13.
- MF9609. *Stichocapsa* (?) sp., p.284, pl.30, figs.6,10.

Kimura, T. (1944c): Some radiolarians in Nippon. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.285-288, pl.31.

- MF9610. *Cornutella* (?) sp., p.287, pl.31, figs.8,9.
- MF9611. *Dicolocapsa inclusa* Hinde, p.287, pl.29, figs.3,10.
- MF9612a. *Dictyomitra* cfr. *cretacea* Rüst, p.288, pl.31, figs.6,13.
- MF9612b. *Cenosphaera tumida* Hinde, p.285, pl.31, figs.2,15.
- MF9613. *Dictyomitra* a sp., p.288, pl.31, figs.5,14.



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- Kimura, T. (1951): Some pectinids and a limid from the Jurassic Torinosu Group in Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, part 7, pp.337-350, pl.1.
- MM7090. *Chlamys nagatakensis* Kurata and Kimura, p.338, pl.1, fig.1. Holotype.
- MM7091. *Chlamys iboibo* Kurata and Kimura, p.339, pl.1, fig.2. Holotype.
- MM7092. *Chlamys iboibo* Kurata and Kimura, p.339, pl.1, fig.4. Paratype. (missing)
- MM7093. *Chlamys iboibo* Kurata and Kimura, p.339, pl.1, fig.3. Paratype.
- MM7094. *Chlamys iboibo* Kurata and Kimura, p.339. Paratype.
- MM7095. *Camptonectes torinosuensis* Kurata and Kimura, p.340, pl.1, fig.10. Holotype.
- MM7096. *Camptonectes torinosuensis* Kurata and Kimura, p.340, pl.1, fig.11. Paratype.
- MM7097. *Camptonectes* cfr. *torinosuensis* Kurata and Kimura, p.340, pl.1, fig.12.
- MM7100. *Camptonectes* (?) *mimikirensis* Kurata and Kimura, p.341, pl.1, fig.13. Holotype.
- MM7102. *Entolium japonicum* Kurata and Kimura, p.345, pl.1, fig.16. Holotype.
- MM7103. *Entolium japonicum* Kurata and Kimura, p.345, pl.1, fig.17. Paratype.
- MM7105. *Entolium yatsujiense* Kurata and Kimura, p.346, pl.1, fig.18a,b. Holotype.
- MM7109. *Neithea kotsubu* Kimura, p.343, pl.1, fig.8a,b. Holotype.
- MM7110. *Neithea kotsubu* Kimura, p.343, pl.1, fig.9. Paratype.
- MM7114. *Aequipecten vulgaris* Kimura, p.342, pl.1, fig.5a,b. Holotype.
- MM7115. *Aequipecten vulgaris* Kimura, p.342, pl.1, fig.6a,b. Paratype.
- MM7117a. *Propeamussium habunokawensis* Kimura [error of *habunokawense*], p.344, pl.1, fig.14. Holotype.
- MM7117b. *Propeamussium habunokawensis* Kimura [error of *habunokawense*], p.344, pl.1, fig.15. Paratype.
- MM7119. *Somapecten kamimanensis* Kimura, p.347, pl.1, fig.19a,b. Holotype.
- MM7120. *Somapecten kamimanensis* Kimura, p.347, pl.1, fig.20. Paratype.
- MM7125. *Velata puncta* Kimura, p.348, pl.1, fig.21. Holotype.
- MM7126. *Lima (Ctenoides) tosana* Kurata and Kimura, p.349, pl.1, fig.22a,b.
- MM7129. *Aequipecten ogawensis* Kimura, p.343, pl.1, fig.7. Holotype.

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- Kimura, T. (1956): Some pelecypods from the Upper Jurassic Torinosu Group in Kochi Prefecture, Japan. *Jour. Earth Sci. Nagoya Univ.*, vol. 4, no.2, pp.80-90, pl.1.
- MM7153. *Nuculana* (*Rollieria* ?) *erinoensis* Kimura, p.84, pl.1, figs.3,4. Holotype.
- MM7154. *Nuculana* (*Dacromya*) *stenodolichos* Kimura [error of *Dacryomya*], p.83, pl.1, fig.1. Holotype.
- MM7157. *Nuculana* (*Dacromya*) *minutula* Kimura [error of *Dacryomya*], p.83, pl.1, fig.2. Holotype.
- MM7158. *Grammatodon takiensis* Kimura, p.84, pl.1, figs.5,6. Holotype.
- MM7159. *Protocardia tosensis* Kimura, p.88, pl.1, fig.14. Holotype.
- MM7160. *Lucina tsunoensis* Kimura, p.87, pl.1, fig.11. Holotype.
- MM7161. *Lucina tsunoensis* Kimura, p.87, pl.1, figs.12,13. Paratype.
- MM7164. *Astarte ogawensis* Kimura, p.86, pl.1, fig.9. Holotype.
- MM7166. *Astarte kambarensis* Kimura, p.85, pl.1, fig.7. Holotype.
- MM7167. *Astarte kambarensis* Kimura, p.85. Paratype.
- MM7168. *Astarte kambarensis* var. *elongata* Kimura, p.86, pl.1, fig.8. Holotype.
- MM7170. *Opis* (*Trigonopis*) *torinosuensis* Kimura, p.87, pl.1, fig.10. Holotype.

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Kobayashi, T. (1926): Note on the Mesozoic formations in Prov. Nagato, Chugoku, Japan. *Jour. Geol. Soc. Tokyo*, vol.33, no.398, pp.1-9, pl.11.

MM9081. *Inoceramus utanoensis* Kobayashi, p.7, pl.11, fig.1. Lectotype.

MM9082. *Inoceramus utanoensis* Kobayashi, p.7, pl.11, fig.2. Paralectotype.

MM9086. *Inoceramus ogurai* Kobayashi, p.7, pl.11, fig.3. Holotype.

Kobayashi, T. (1928): Ordovician fossils from Corea and South Manchuria. *Japan. Jour. Geol. Geogr.*, vol.5, no.4, pp.173-212, pls.18-22.

PM0001. *Vaginoceras grabau* Kobayashi, p.178, pl.18, fig.1a-c. Syntype.

PM0002. *Vaginoceras grabau* Kobayashi, p.178, pl.18, fig.2. Syntype.

PM0003. *Vaginoceras frechi* Kobayashi, p.179, pl.18, fig.3a,b. Holotype.

PM0004. *Orthoceras kawasaki* Kobayashi, p.180, pl.18, fig.4. Syntype. (missing)

PM0005. *Orthoceras kawasaki* Kobayashi, p.180, pl.19, fig.1. Syntype.

PM0006. *Orthoceras makkolense* Kobayashi, p.181, pl.18, fig.5. Syntype.

PM0007. *Orthoceras makkolense* Kobayashi, p.181, pl.19, fig.2a-c. Syntype.

PM0008. *Orthoceras coreanicum* Kobayashi, p.181, pl.18, fig.6. Syntype.

PM0009. *Orthoceras coreanicum* Kobayashi, p.181, pl.19, fig.3a-c. Syntype.

PM0010. *Orthoceras nakamurai* Kobayashi, p.182, pl.19, fig.4. Holotype.

PM0011. *Protocycloceras chikunense* Kobayashi, p.183, pl.18, fig.7a,b. Holotype.

PM0012. *Orotocycloceras* (?) *kogenense* Kobayashi [error of *Protocycloceras*], p.183, pl.18, fig.8. Holotype.

PM0013. *Protocycloceras* (?) *deprati* Reed, p.184, pl.19, fig.5.

PM0014. *Cycloceras* (?) *peitoutzense* Grabau, p.184, pl.21, fig.1.

PM0015. *Loxoceras* aff. *moniliforme* Hall, p.186, pl.19, fig.6.

PM0016. *Loxoceras yokoyamai* Kobayashi, p.186, pl.18, fig.9a-c. Holotype.

PM0017. *Stereoplasmodoceras pseudoseptum* Grabau, p.187, pl.20, fig.1a,b.

PM0018. *Stereoplasmodoceras pseudoseptum* Grabau, p.187, pl.20, fig.2.

PM0019. *Stereoplasmodoceras pseudoseptum* Grabau, p.187, pl.21, fig.2.

PM0020. *Stereoplasmodoceras submarginale* Kobayashi, p.188, pl.20, fig.3a,b. Syntype.

PM0021. *Stereoplasmodoceras submarginale* Kobayashi, p.188, pl.20, fig.4. Syntype.

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Kobayashi, T. (1928): continued

- PM0022. *Stereoplasmodoceras subcentrale* Kobayashi, p.188, pl.20, fig.5a,b. Holotype.
- PM0023. *Tofangoceras pauciannulatum* Kobayashi, p.189, pl.20, fig.6. Holotype.
- PM0024. *Tofangoceras irregulare* Kobayashi, p.190, pl.20, fig.7. Holotype.
- PM0025. *Actinoceras richthofeni* Frech, p.191, pl.20, fig.8.
- PM0026. *Actinoceras richthofeni* Frech, p.191, pl.21, fig.3.
- PM0027. *Actinoceras richthofeni* Frech, p.191, pl.21, fig.4.
- PM0028. *Actinoceras tani* Grabau, p.192, pl.20, fig.9.
- PM0029. *Actinoceras tani* Grabau, p.192, pl.21, fig.5.
- PM0030. *Actinoceras tani* Grabau, p.192, pl.22, fig.1a,b.
- PM0031. *Actinoceras coulingi* Grabau, p.193, pl.21, fig.6.
- PM0032. *Actinoceras manchurense* Kobayashi, p.194, pl.20, fig.10. Syntype.
- PM0033. *Actinoceras manchurense* Kobayashi, p.194, pl.21, fig.7. Syntype.
- PM0034. *Actinoceras manchurense* Kobayashi, p.194, pl.22, fig.2a,b. Syntype.
- PM0035. *Actinoceras submarginale* Grabau, p.194, pl.22, fig.3.
- PM0036. *Actinoceras submarginale* Grabau, p.194, pl.22, fig.4a,b.
- PM0037. *Actinoceras nanum* Grabau, p.195, pl.20, fig.11.
- PM0038. *Actinoceras nanum* Grabau, p.195, pl.21, fig.8. (missing)
- PM0039. *Actinoceras nanum* Grabau, p.195, pl.22, fig.5.
- PM0040. *Actinoceras harioi* Kobayashi, p.196, pl.20, fig.12. Syntype.
- PM0041. *Actinoceras harioi* Kobayashi, p.196, pl.21, fig.9. Syntype.
- PM0042. *Actinoceras suampanoides* Grabau, p.196, pl.20, fig.13.
- PM0043. *Actinoceras suampanoides* Grabau, p.196, pl.21, fig.10.
- PM0044. *Actinoceras suampanoides* Grabau, p.196, pl.21, fig.11.
- PM0045. *Actinoceras suampanoides* Grabau, p.196, pl.21, fig.12.
- PM0046. *Actinoceras curvatum* Grabau, p.197, pl.20, fig.14.
- PM0047. *Actinoceras curvatum* Grabau, p.197, pl.21, fig.13.
- PM0048. *Actinoceras murakamii* Kobayashi, p.198, pl.22, fig.6. Holotype.
- PM0049. *Actinoceras* sp., p.199, pl.19, fig.7.
- PM0050. *Cyrtoactinoceras mitsuishii* Kobayashi, p.200, pl.21, fig.14. Holotype.

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Kobayashi, T. (1928): continued

- PM0051. *Discoactinoceras multiplexum* Kobayashi, p.202, pl.22, fig.7a-d. Holotype.
- PM0052. *Ooceras* (?) *tokunagai* Kobayashi, p.202, pl.18, fig.10a,b. Holotype.
- PM0053. *Onoceras katoi* Kobayashi, p.203, pl.19, fig.8. Holotype.
- PM0054. *Cyrtoceras* (*Meloceras*) aff. *asiaticum* Yabe, p.204, pl.22, fig.8.
- PM0055. *Cyrtoceras* (?) *kochyonense* Kobayashi, p.204, pl.19, fig.9a,b. Holotype.

Kobayashi, T. (1930): Ordovician fossils from Korea and South Manchuria.

Part II. On the Bantatsu bed of the Ordovician age. *Japan. Jour. Geol. Geogr.*, vol.7, nos.3-4, pp.75-100, pls.8-11.

- PM0056. *Stereoplasmoceras* sp., p.81, pl.8, fig.4.
- PM0057. *Vaginoceras* sp. cf. *Vaginoceras multitubulatum* (Hall), p.81, pl.8, fig.1.
- PM0058. *Cycloceras mantalense* Kobayashi, p.82, pl.8, fig.2a,b. Holotype.
- PM0059. *Cycloceras kawasaki* Kobayashi, p.84, pl.8, fig.3a,b. Holotype.
- PM0060. *Actinoceras exogastrale* Kobayashi, p.85, pl.8, fig.5a,b. Holotype.
- PM0061. *Bucania katoi* Kobayashi, p.87, pl.8, fig.6a-c. Holotype.
- PM0062. *Lophospira morrisi* Grabau, p.87, pl.9, fig.6.
- PM0063. *Lophospira bantatsuense* Kobayashi [error of *bantatsuensis*], p.88, pl.8, fig.8. Holotype.
- PM0064. *Lophospira bantatsuense* Kobayashi [error of *bantatsuensis*], p.88, pl.9, fig.4. Paratype.
- PM0065. *Lophospira bantatsuense* Kobayashi, var. [error of *bantatsuensis*], p.88, pl.8, fig.5.
- PM0066. *Lophospira konnoi* Kobayashi, p.88, pl.8, fig.12a,b. Holotype.
- PM0067. *Lophospira trochiformis* Grabau, p.89, pl.8, fig.11.
- PM0068. *Lophospira kodairai* Kobayashi, p.89, pl.8, fig.10. Holotype.
- PM0069. *Lophospira acuta* Grabau, p.89, pl.8, fig.7.
- PM0070. *Lophospira subpulchella* Kobayashi, p.90, pl.8, fig.9. Holotype.
- PM0071a. *Lophospira gerardi* Grabau, p.90, pl.10, fig.6a.
- PM0071b. *Pagodispira derwiduii* Grabau, p.91, pl.10, fig.6b.
- PM0072. *Pagodispira derwiduii* Grabau, p.91, pl.9, fig.7.

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Kobayashi, T. (1930): continued

- PM0073. *Pagodispira sakamotoi* Kobayashi, p.91, pl.9, fig.8. Holotype.
- PM0074. *Pagodispira tetracarina* Kobayashi, p.92, pl.9, fig.9. Holotype.
- PM0075. *Liospira kawasaki* Kobayashi, p.92, pl.9, fig.10a,b. Holotype.
- PM0076. *Eotomaria concava* Kobayashi, p.93, pl.10, fig.4a,b. Holotype.
- PM0077. *Ophiletina* sp., p.93, pl.11, fig.6a,b.
- PM0078. *Ophiletina* (?) *shokoriense* Kobayashi [error of *shokoriensis*], p.94, pl.11, fig.1a,b. Holotype.
- PM0079. *Eccyliopterus kushanensis* Grabau, p.94, pl.10, fig.3a,b.
- PM0080. *Helicotoma yabei* Kobayashi, p.95, pl.11, fig.5a-c. Holotype.
- PM0081. *Helicotoma tamurai* Kobayashi, p.95, pl.11, fig.4a,b. Holotype. (missing)
- PM0082. *Maclurea tofangoense* Kobayashi [error of *tofangoensis*], p.96, pl.9, fig.1a-c. Syntype.
- PM0083. *Maclurea tofangoense* Kobayashi [error of *tofangoensis*], p.96, pl.9, fig.2. Syntype.
- PM0084. *Maclurea tofangoense* Kobayashi [error of *tofangoensis*], p.96, pl.9, fig.3. Syntype.
- PM0085. *Maclurea tofangoense* Kobayashi [error of *tofangoensis*], p.96, pl.10, fig.2. Syntype.
- PM0086. *Maclurea tofangoense* Kobayashi [error of *tofangoensis*], p.96, pl.11, fig.7. Syntype.
- PM0087. *Maclurea niuhsintaiense* Kobayashi [error of *niuhsintaiensis*], p.97, pl.10, fig.5a-c. Holotype.
- PM0088. *Maclurea kotoi* Kobayashi, p.97, pl.10, fig.1a-c. Holotype.
- PM0089. *Maclurea* (?) sp., p.98, pl.11, fig.8a-c.
- PM0090. *Trochonema ozawai* Kobayashi, p.98, pl.11, fig.2a,b. Holotype.
- PM0091. *Trochonema ozawai* var. *depressa* Kobayashi, p.99, pl.11, fig.3a,b. Holotype.
- PM0092. *Tentaculites tofangoense* Kobayashi [error of *tofangoensis*], p.99, pl.11, fig.9. Holotype.

Kobayashi, T. (1931a): Studies on the stratigraphy and palaeontology of the Cambro-Ordovician formation of Hua-lien-chai and Niu-hsin-tai, South Manchuria. *Japan. Jour. Geol. Geogr.*, vol.8, no.3, pp.131-189, pls.16-22.

- PB0093. *Obolus taianensis* Sun, p.152, pl.21, fig.10.

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Kobayashi, T. (1931a): continued

- PB0094. *Obolus huanhsilingensis* Kobayashi, p.153, pl.21, fig.12. Holotype.
- PB0095. *Obolus (Westonia) leei* Sun, p.154, pl.21, figs.11,11a.
- PB0096. *Obolus (Westonia) houtiensis* Kobayashi, p.154, pl.21, figs.4,4a. Holotype.
- PB0097. *Lingulella marcia* Walcott, p.155, pl.21, fig.5a.
- PB0098. *Lingulella marcia* Walcott, p.155, pl.21, fig.5b.
- PB0099. *Lingulella kayseri* Grabau, p.155, pl.21, fig.9.
- PB0100. *Lingulella liui* Sun, p.155, pl.21, fig.6.
- PB0101. *Lingulella liui* Sun, p.155, pl.21, fig.7.
- PB0102. *Lingulella liui* Sun, p.155, pl.21, fig.8.
- PB0103. *Lingulella yingtzuensis* Kobayashi, p.156, pl.21, fig.3. Holotype.
- PM0104. *Ellesmereoceras elongatum* Kobayashi, p.160, pl.16, fig.1a-c. Paratype.
- PM0105. *Ellesmereoceras elongatum* Kobayashi, p.160, pl.16, fig.5. Holotype.
- PM0106. *Ellesmereoceras elongatum* Kobayashi, p.160, pl.16, fig.6. Paratype.
- PM0107. *Ellesmereoceras elongatum* Kobayashi, p.160, pl.19, fig.9a,b. Paratype.
- PM0108. *Ellesmereoceras curvatum* Kobayashi, p.161, pl.16, fig.2a-c. Holotype.
- PM0109. *Ellesmereoceras subcircularis* Kobayashi [error of *subcirculare*], p.161, pl.19, fig.5a,b. Holotype.
- PM0110. *Ellesmereoceras* (?) *flexuostriatum* Kobayashi, p.162, pl.16, fig. 3a,b. Holotype.
- PM0111. *Ellesmereoceras amplum* Kobayashi, p.162, pl.17, fig.1a-c. Holotype.
- PM0112. *Ellesmereoceras* (?) *multicameratum* Kobayashi, p.163, pl.16, fig. 7. Paratype.
- PM0113. *Ellesmereoceras* (?) *multicameratum* Kobayashi, p.163, pl.19, fig. 2a,b. Paratype.
- PM0114. *Ellesmereoceras* (?) *multicameratum* Kobayashi, p.163, pl.19, fig. 3. Holotype.
- PM0115. *Eremoceras wanwanense* Kobayashi, p.164, pl.16, fig.4a,b. Holotype.
- PM0116. *Clarkoceras poulsenii* Kobayashi, p.165, pl.16, fig.8. Holotype.

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Kobayashi, T. (1931a): continued

- PM0117. *Wolungoceras foerstei* Kobayashi, p.166, pl.18, fig.1a-c. Holotype.
- PM0118. *Vaginoceras* a sp., p.166, pl.18, fig.4a,b.
- PM0119. *Cameroceras* cf. *styliforme* Grabau, p.167, pl.17, fig.3a,b, text-fig.5.
- PM0120. *Cameroceras* (*Proterocameroceras*) *mathieui* Grabau, p.168, pl.17, fig.5a,b,b'.
- PM0121. *Cameroceras* (*Proterocameroceras*) *mathieui* Grabau, p.168, pl.18, fig.5a,b.
- PM0122. *Cameroceras* (*Proterocameroceras*) *mathieui* Grabau, p.168, pl.18, fig.5a,c.
- PM0123. *Cameroceras* (*Proterocameroceras*) *mathieui* Grabau, p.168, pl.19, fig.10.
- PM0124. *Piloceras wolungense* Kobayashi, p.170, pl.17, fig.2. Syntype.
- PM0125. *Piloceras wolungense* Kobayashi, p.170, pl.17, fig.3a,b. Syntype.
- PM0126. *Piloceras wolungense* Kobayashi, p.170, pl.17, fig.6. Syntype.
- PM0127. *Piloceras wolungense* Kobayashi, p.170, pl.18, fig.2a,b. Syntype.
- PM0128. *Piloceras wolungense* Kobayashi, p.170, pl.19, fig.1. Syntype.
- PM0129. *Piloceras wolungense* var. *compressa* Kobayashi, p.170, pl.18, fig.3a-f. Holotype.
- PM0130. *Orthoceras haradai* Kobayashi, p.170, pl.19, fig.6. Holotype.
- PM0131. *Dawsonoceras* (?) *aquilonare* Troedsson, p.171, pl.19, fig.8.
- PM0132. *Stereoplasmoceras tofangoense* Kobayashi, p.172, pl.19, fig.7a-c. Holotype.
- PM0133. *Stereoplasmoceras uedai* Kobayashi, p.172, pl.19, fig.11. Holotype.
- PM0134. *Tofangoceras* sp., p.173, pl.19, fig.4.
- PA0135. *Agnostus chiushuensis* Kobayashi, p.173, pl.22, fig.1. Holotype.
- PA0136. *Agnostus chiushuensis* Kobayashi, p.173, pl.22, fig.2. Paratype.
- PA0137. *Agnostus chiushuensis* Kobayashi, p.173, pl.22, fig.3. Paratype.
- PA0138. *Agnostus chiushuensis* Kobayashi, p.173, pl.22, fig.4. Paratype.
- PA0139. *Agnostus chiushuensis* Kobayashi, p.173, pl.22, fig.5. Paratype.
- PA0140. *Stephanocare richthofeni* Monke, p.174, pl.20, fig.2.
- PA0141. *Stephanocare* ? *sinensis* Bergeron, p.174, pl.20, fig.20a.
- PA0142. *Drepanura premesnili* Bergeron, p.175, pl.20, fig.19.
- PA0143. *Blackwelderia* sp., p.175, pl.20, fig.18.



## Kobayashi, T. (1931a): continued

- PA0144. *Teinistion typicalis* (Walcott), p.176, pl.20, fig.17.
- PA0145. *Solenopleura endoi* Kobayashi, p.176, pl.22, fig.10. Holotype.
- PA0146. *Anomocare* cf. *flava* Walcott, p.177, pl.20, fig.16.
- PA0147. *Anomocare* (?) *nereis* (Walcott), p.177, pl.20, fig.3.
- PA0148a. *Anomocarella temenus* (Walcott), p.178, pl.20, fig.14.
- PA0148b. *Anomocarella temenus* (Walcott), p.178, pl.20, fig.15.
- PA0149. *Anomocarella taian* (Walcott), p.179, pl.20, fig.1a,b.
- PA0150. *Coosia tokunagai* Kobayashi, p.180, pl.20, fig.4. Paratype.
- PA0151a. *Coosia tokunagai* Kobayashi, p.180, pl.20, fig.5. Paratype.
- PA0151b. *Coosia tokunagai* Kobayashi, p.180, pl.20, fig.6. Holotype.
- PA0152. *Ptychaspis bella* Walcott, p.180, pl.22, fig.6.
- PA0153. *Ptychaspis suni* Kobayashi, p.181, pl.22, fig.7. Syntype.
- PA0154a. *Ptychaspis suni* Kobayashi, p.181, pl.22, fig.8a. Syntype.
- PA0154b. *Koldinioidia typicalis* Kobayashi, p.187, pl.22, fig.8b. Syntype.
- PA0155. *Ptychaspis chinensis* Sun, p.182, pl.21, figs.1,2.
- PA0156. *Ptychaspis chinensis* Sun, p.182, pl.21, fig.12.
- PA0157. *Ptychaspis chinensis* Sun, p.182, pl.22, fig.13.
- PA0158. *Ptychaspis chinensis* Sun, p.182, pl.22, fig.14.
- PA0159. *Ptychaspis chinensis* Sun, p.182, pl.22, fig.15.
- PA0160. *Ptychaspis chinensis* Sun, p.182, pl.22, fig.16.
- PA0161. *Ptychaspis angulata* Mansuy, p.182, pl.21, fig.13.
- PA0162. *Ptychaspis walcotti* Mansuy, p.183, pl.22, fig.17.
- PA0163. *Ptychaspis walcotti* Mansuy, p.183, pl.22, fig.18.
- PA0164. *Briscoia* (?) *mitsuishii* Kobayashi, p.184, pl.20, fig.11. Syntype.
- PA0165. *Briscoia* (?) *mitsuishii* Kobayashi, p.184, pl.20, fig.12. Syntype.
- PA0166. *Briscoia* (?) *mitsuishii* Kobayashi, p.184, pl.20, fig.13. Syntype.
- PA0167. *Isotelus* aff. *gigas* Dekay, p.185, pl.21, fig.14. (missing)
- PA0168. *Tsinania canens* (Walcott), p.186, pl.20, fig.7.
- PA0169. *Tsinania canens* (Walcott), p.186, pl.20, fig.8.
- PA0170. *Tsinania canens* (Walcott), p.186, pl.20, fig.9.
- PA0171. *Tsinania canens* (Walcott) var. *pagoda* Kobayashi, p.186, pl.20, fig.10. Holotype.
- PA0172. *Tsinania* cf. *dictys* (Walcott), p.187, pl.22, fig.11.
- PA0173. *Koldinioidia typicalis* Kobayashi, p.187, pl.22, fig.9. Syntype.

Kobayashi, T. (1931b): Studies on the Ordovician stratigraphy and palaeontology of North Korea with notes on the Ordovician fossils of Shantung and Liautung. *Bull. Geol. Surv. Chosen (Korea)*, vol.11, no.1, pp. 1-60, pls.1-9.

- PB0174. *Syntrophia* cf. *calcifera* (Billings), p.30, pl.1, fig.3.  
 PB0175. *Syntrophia* cf. *calcifera* (Billings), p.30, pl.1, fig.4.  
 PB0176. *Syntrophia* cf. *calcifera* (Billings), p.30, pl.1, fig.5.  
 PB0177. *Eoorthis* (?) *coreanica* Kobayashi, p.31, pl.2, fig.1. Syntype.  
 PB0178. *Eoorthis* (?) *coreanica* Kobayashi, p.31, pl.2, fig.2. Syntype. (missing)  
 PB0179. *Eoorthis* (?) sp., p.31, pl.1, fig.2.  
 PM0180. *Pterinea* (?) *subasperula* Kobayashi, p.32, pl.1, figs.1,1a. Holotype. (missing)  
 PM0181. *Liospira kawasakii* Kobayashi, p.33, pl.1, fig.9a-c.  
 PM0182. *Liospira kawasakii* Kobayashi, p.33, pl.1, fig.10a,b.  
 PM0183. *Liospira lenticularis* Kobayashi, p.33, pl.1, fig.11. Paratype.  
 PM0184. *Liospira lenticularis* Kobayashi, p.33, pl.2, fig.5a,b. Holotype.  
 PM0185. *Liospira lenticularis* Kobayashi, p.33, pl.2, fig.7a,b. Paratype.  
 PM0186. *Straparollus shirakii* Kobayashi, p.34, pl.2, fig.6. Holotype.  
 PM0187. *Raphistoma ichimurai* Kobayashi, p.34, pl.2, fig.4a-c. Holotype.  
 PM0188. *Helicotoma kanekoi* Kobayashi, p.35, pl.1, fig.8a-c. Paratype.  
 PM0189. *Helicotoma kanekoi* Kobayashi, p.35, pl.2, fig.3a-c. Holotype.  
 PM0190. *Cyclonema* (?) *sonrinensis* Kobayashi, p.36, pl.2, fig.9. Syntype.  
 PM0191. *Holopea tateiwai* Kobayashi, p.36, pl.2, fig.8. Holotype.  
 PM0192. *Clisospira shorinensis* Kobayashi, p.37, pl.2, fig.10a-c. Holotype.  
 PM0193. *Clisospira* (?) *chundongensis* Kobayashi, p.37, pl.1, fig.12a-c. Holotype.  
 PM0194. *Ellesmereoceras amplum* Kobayashi, p.38, pl.5, fig.3a,b.  
 PM0195. *Ellesmereoceras amplum* Kobayashi, p.38, pl.5, fig.5. (missing)  
 PM0196. *Ellesmereoceras amplum* Kobayashi, p.38, pl.6, fig.3a-c.  
 PM0197. *Wolungoceras minor* Kobayashi, p.40, pl.6, fig.1a,b. Syntype.  
 PM0198. *Wolungoceras minor* Kobayashi, p.40, pl.6, fig.2. Syntype.  
 PM0199. *Wolungoceras minor* Kobayashi, p.40, pl.6, fig.4a,b, pl.8, fig.6. Syntype.  
 PM0200. *Cameroceras curvatoformis* Kobayashi (error of *curvatoforme*), p.41,

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Kobayashi, T. (1931b): continued

- pl.6, fig.5a,b. Holotype.
- PM0201. *Cameroceras curvatoformis* Kobayashi [error of *curvatoforme*], p. 41, pl.6, fig.6. Paratype.
- PM0202. *Cameroceras curvatoformis* Kobayashi [error of *curvatoforme*], p. 41, pl.9, fig.3. Paratype.
- PM0203. *Cameroceras styliforme* Grabau, p.42, pl.5, fig.2a-c.
- PM0204. *Cameroceras (Proterocameroceras) mathieui* Grabau, p.42, pl.6, fig.7.
- PM0205. *Cameroceras (Proterocameroceras) mathieui* Grabau, p.42, pl.6, fig.8a-c.
- PM0206. *Cameroceras (Proterocameroceras) mathieui* Grabau, p.42, pl.9, fig.4a,b.
- PM0207. *Piloceras platyventrum* Grabau, p.43, pl.5, fig.4a-c.
- PM0208. *Piloceras* sp., p.44, pl.5, fig.1a-d.
- PM0209. *Coreanoceras kemipoense* Kobayashi, p.47, pl.7, fig.1. Paratype.
- PM0210. *Coreanoceras kemipoense* Kobayashi, p.47, pl.7, fig.2a-d. Holotype.
- PM0211. *Coreanoceras kemipoense* Kobayashi, p.47, pl.7, fig.3. Paratype.
- PM0212. *Coreanoceras kemipoense* Kobayashi, p.47, pl.7, fig.4. Paratype.
- PM0213. *Coreanoceras kemipoense* Kobayashi, p.47, pl.8, fig.1. Paratype.
- PM0214. *Coreanoceras kemipoense* Kobayashi, p.47, pl.9, fig.2. Paratype.
- PM0215. *Coreanoceras kokaiense* Kobayashi, p.48, pl.8, fig.3a,b. Syntype.
- PM0216. *Coreanoceras kokaiense* Kobayashi, p.48, pl.8, fig.4a,b. Syntype.
- PM0217. *Coreanoceras kokaiense* Kobayashi, p.48, pl.8, fig.5a,b. Syntype.
- PM0218. *Coreanoceras kokaiense* Kobayashi, p.48, pl.8, fig.7a-c. Syntype.
- PM0219. *Coreanoceras kokaiense* Kobayashi, p.48, pl.8, fig.7a,d. Syntype.
- PM0220. *Coreanoceras tenuicurvatum* Kobayashi, p.49, pl.8, fig.8a-c. Syntype.
- PM0221. *Coreanoceras tenuicurvatum* Kobayashi, p.49, pl.9, fig.1a-c. Syntype.
- PM0222. *Coreanoceras kini* Kobayashi, p.49, pl.8, fig.2a,b. Holotype.
- PM0223. *Stereoplasmoceras tofangoense* Kobayashi, p.52, pl.4, fig.4a-d.
- PM0224. *Stereoplasmoceras* cf. *machiakouense* Grabau, p.53, pl.4, fig.3a,b.
- PM0225. *Maruyamaceras shimamurai* Kobayashi, p.54, pl.3, fig.1a-d. Holotype. (missing)
- PM0226. *Maruyamaceras watanabei* Kobayashi, p.54, pl.3, fig.2a-c. Holotype. (missing)

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Kobayashi, T. (1931b): continued

- PM0227. *Maruyamaceras peshanensis* Kobayashi [error of *peshanense*], p.55, pl.4, fig.2a,b. Holotype. (missing)
- PM0228. *Maruyamaceras* (?) sp., p.56, pl.3, fig.3. (missing)
- PM0229. *Discoactinoceras multiplexum* Kobayashi, p.56, pl.4, fig.1a,b.
- PA0230. *Pliomera* (*Pliomerops*?) *koseiensis* Kobayashi, p.57, pl.1, fig.6. Holotype.
- PA0231. *Pliomera* (?) sp., p.58, pl.1, fig.7.

Kobayashi, T. (1931c): Upper Palaeozoic shells of Soron in the Great Khingan Range. *Japan. Jour. Geol. Geogr.*, vol.8, no.4, pp.241-250, pl.24.

- PM0232. *Aviculopecten khinganensis* Kobayashi, p.241, pl.24, fig.1. Holotype.
- PM0233. *Aviculopecten* (*Deltopecten*) sp., p.243, pl.24, fig.2.
- PM0234. *Crenipecten soronensis* Kobayashi, p.244, pl.24, fig.3. Holotype.
- PM0235. *Pleurotomaria yabeshigerui* Kobayashi, p.245, pl.24, fig.4a,b. Syntype.
- PM0236a. *Pleurotomaria yabeshigerui* Kobayashi, p.245, pl.24, fig.5. Syntype.
- PM0236b.\* *Pleurotomaria yabeshigerui* Kobayashi, p.245, pl.24, fig.6. Syntype. (missing) [original specimen in the Museum of the Resources of Manchuria and Mongolia, Dairen, at that time]

Kobayashi, T. (1931d): Notes on a new occurrence of Ladino-Carnic limestone at Sambosan, Tosa Province, Japan. *Japan. Jour. Geol. Geogr.*, vol.8, no.4, pp.251-258, pl.25.

- MB4211. *Rhynchonella sambosanensis* Kobayashi, p.255, pl.25, fig.5. Syntype. (missing)
- MB4212. *Rhynchonella sambosanensis* Kobayashi, p.255, pl.25, fig.6. Syntype. (missing)
- MB4213. *Rhynchonella sambosanensis* Kobayashi, p.255, pl.25, fig.9. Syntype. (missing)
- MB4214. *Rhynchonella sambosanensis* Kobayashi, p.255, pl.25, fig.10. Syntype.
- MB4215. *Rhynchonella sambosanensis* Kobayashi, p.255, pl.25, fig.11. Syntype.
- MM4216. *Cassianella* sp., p.256, pl.25, fig.7. (missing)
- MM4217. *Pseudomonotis* (*Eumorphotis*) sp., p.256, pl.25, fig.8. (missing)

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Kobayashi, T. (1931d): continued

- MM4218. *Daonella* cf. *kotoi* Mojsisovics var. *alta* Yabe and Shimizu, p.257, pl.25, fig.1. (missing)
- MM4219. *Daonella* cf. *kotoi* Mojsisovics var. *alta* Yabe and Shimizu, p.257, pl.25, fig.13. (missing)
- MM4220. *Daonella* sp., p.257, pl.25, fig.3.
- MM5029. *Pecten (Velopecten) suzukii* Kobayashi, p.258, pl.25, fig.16. Holotype.
- MM5030. *Pecten (Velopecten) suzukii* Kobayashi, p.258, pl.25, fig.17. Paratype. (missing)
- MM5031. *Pecten (Velopecten) suzukii* Kobayashi, p.258, pl.25, fig.18. Paratype.

Kobayashi, T. (1931e): On the Izumi sandstone Series in the Izumi mountain range. *Jour. Geol. Soc. Tokyo*, vol.38, no.459, pp.629-640, pls.10,11.

- MM7711. [= I-570] *Gaudryceras tenuiliratum* Yabe, p.634, pl.10.
- MM7720. [= I-581] *Parapachydiscus* aff. *Egertoni* Forbes, p.634, pl.11.

Kobayashi, T. (1933a): Faunal study of the Wanwanian (basal Ordovician) Series with special notes on the Ribeiridae and the Ellesmereoceroids. *Jour. Fac. Sci. Imp. Univ. Tokyo*, vol.3, part 7, pp.249-328, pls.1-10.

- PB0237. *Huenella* (?) *wanwanensis* Kobayashi, p.259, pl.6, fig.11a,b. Syntype.
- PB0238. *Huenella* (?) *wanwanensis* Kobayashi, p.259, pl.6, fig.12a,b. Syntype.
- PM0239. *Helicotoma wanwanensis* Kobayashi, p.260, pl.5, fig.3a,b. Holotype.
- PM0240. *Matherella walcotti* Kobayashi, p.261, pl.4, fig.7a,b. Holotype.
- PM0241. *Matherella walcotti* Kobayashi, p.261, pl.5, fig.9. Paratype.
- PM0242. *Clisospira niuhsintaiensis* Kobayashi, p.262, pl.4, fig.6. Holotype.
- PM0243. *Archinacella wanwanensis* Kobayashi, p.262, pl.4, fig.3a,b. Holotype.
- PM0244. *Proplina bridgei* Kobayashi, p.263, pl.5, fig.2a-c. Holotype.
- PM0245. *Proplina ampla* Kobayashi, p.264, pl.4, fig.2a,b. Syntype.
- PM0246. *Proplina ampla* Kobayashi, p.264, pl.5, fig.4a-c. Syntype.
- PM0247. *Proplina* (?) sp., p.265, pl.5, fig.1a,b.
- PM0248. *Scenella* sp., p.265, pl.4, fig.8.
- PM0249. *Stenotheca* (?) *manchurica* Kobayashi, p.265, pl.5, fig.6. Holotype.
- PM0250. *Scaevogyra ulrichi* Kobayashi, p.266, pl.5, fig.5. Syntype.
- PM0251. *Scaevogyra ulrichi* Kobayashi, p.266, pl.5, fig.7a,b. Syntype.
- PM0252. *Scaevogyra naticaformis* Kobayashi, p.267, pl.5, fig.8a,b. Holotype.

Kobayashi, T. (1933a): continued

- PM0253. *Ellesmereoceras elongatum* Kobayashi, p.268, pl.1, fig.4a,b.
- PM0254. *Ellesmereoceras elongatum* Kobayashi, p.268, pl.1, fig.7.
- PM0255. *Ellesmereoceras subcircularis* Kobayashi [error of *subcirculare*], p.268, pl.1, fig.3a,b.
- PM0256. *Ellesmereoceras subcircularis* Kobayashi [error of *subcirculare*], p.268, pl.1, fig.5.
- PM0257. *Ellesmereoceras foerstei* Kobayashi, p.268, pl.1, fig.1a-c. Holotype.
- PM0258. *Ellesmereoceras foerstei* Kobayashi, p.268, pl.1, fig.11. Paratype.
- PM0259. *Ellesmereoceras abruptum* Kobayashi, p.269, pl.1, fig.2. Holotype.
- PM0260. *Ellesmereoceras abruptum* Kobayashi, p.269, pl.1, fig.8. Paratype.
- PM0261. *Ectenoceras curvatum* (Kobayashi), p.270, pl.2, fig.1.
- PM0262. *Ectenoceras curvatum* (Kobayashi), p.270, pl.2, fig.13.
- PM0263. *Ectenoceras subcurvatum* Kobayashi, p.270, pl.1, fig.9. Holotype.
- PM0264. *Ectenoceras ruedemanni* Kobayashi, p.270, pl.2, fig.5a-d. Holotype.
- PM0265. *Ectenoceras ruedemanni* Kobayashi, p.270, pl.2, fig.11a-b. Paratype.
- PM0266. *Wanwanoceras peculiare* Kobayashi, p.271, pl.1, fig.6. Paratype.
- PM0267. *Wanwanoceras peculiare* Kobayashi, p.271, pl.1, fig.10, pl.4, fig.9. Holotype.
- PM0268. *Wanwanoceras peculiare* Kobayashi, p.271, pl.2, fig.12. Paratype.
- PM0269. *Burenoceras* (?) *reticulatum* Kobayashi, p.272, pl.2, fig.2. Syn-type.
- PM0270. *Burenoceras* (?) *reticulatum* Kobayashi, p.272, pl.2, fig.3. Syn-type.
- PM0271. *Burenoceras* (?) *reticulatum* Kobayashi, p.272, pl.2, fig.4. Syn-type.
- PM0272. *Multicameroceras multicameratum* (Kobayashi), p.274, pl.2, fig.8.
- PM0273. *Multicameroceras multicameratum* (Kobayashi), p.274, pl.3, figs. 1,3a,b, pl.4, fig.1a,b.
- PM0274. *Multicameroceras cylindricum* Kobayashi, p.274, pl.2, fig.14. Holotype.
- PM0275. *Multicameroceras cylindricum* Kobayashi, p.274, pl.4, fig.5a,b. Paratype.
- PM0276. *Wolungoceras chiushuense* Kobayashi, p.275, pl.3, fig.4. Holotype.

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Kobayashi, T. (1933a): continued

- PM0277. *Cyrtendoceras holmi* Kobayashi, p.276, pl.4, fig.10. Holotype.
- PA0278. *Kingstonia semicircularis* Kobayashi, p.278, pl.6, fig.7. Holotype.
- PA0279. *Kingstonia semicircularis* Kobayashi, p.278, pl.6, fig.8. Paratype.
- PA0280. *Kingstonia convexa* Kobayashi, p.278, pl.6, fig.9. Paratype.
- PA0281. *Kingstonia convexa* Kobayashi, p.278, pl.6, fig.10a,b. Holotype.
- PA0282. *Kingstonia humilis* Kobayashi, p.279, pl.6, fig.1a,b. Holotype.
- PA0283. *Stenopilus convexus* Kobayashi, p.279, pl.6, fig.4. Holotype.
- PA0284. *Plethopeltis orientalis* Kobayashi, p.280, pl.6, fig.5a,b. Holotype.
- PA0285. *Plethopeltis resseri* Kobayashi, p.280, pl.6, fig.6a,b. Holotype.
- PA0286. *Platycolpus ? granulatus* Kobayashi, p.281, pl.6, figs.2a,b,3. Holotype.
- PA0287. *Wanwania cambrica* Kobayashi, p.282, pl.7, fig.1a,b. Holotype.
- PA0288. *Wanwania cambrica* Kobayashi, p.282, pl.7, fig.2a-c. Paratype.
- PA0289. *Wanwania cambrica* Kobayashi, p.282, pl.7, fig.3a,b. Paratype.
- PA0290. *Wanwania cambrica* Kobayashi, p.282, pl.9, fig.7. Paratype.
- PA0291. *Wanwania cambrica* Kobayashi, p.282, pl.9, fig.9. Paratype.
- PA0292. *Wanwania ambonychiiformis* Kobayashi, p.283, pl.7, fig.4a-c. Holotype.
- PA0293. *Wanwania compressa* Kobayashi, p.284, pl.7, fig.5a-c. Holotype.
- PA0294. *Wanwanella striata* Kobayashi, p.285, pl.7, fig.7a,b. Syntype.
- PA0295. *Wanwanella striata* Kobayashi, p.285, pl.9, fig.6. Syntype.
- PA0296. *Wanwanella striata* var. *auriculata* Kobayashi, p.285, pl.7, fig. 6a-c. Holotype.
- PA0297. *Wanwanella wanwanensis* Kobayashi, p.286, pl.7, fig.8a,b. Holotype.
- PA0298. *Wanwanella shorinensis* Kobayashi, p.286, pl.9, fig.2a,b. Holotype.
- PA0299. *Wanwanella tumida* Kobayashi, p.287, pl.7, fig.10a,b. Holotype.
- PA0300. *Wanwanoidea trigonolis* Kobayashi [error of *trigonalis*], p.288, pl.9, fig.3a,b. Syntype.
- PA0301. *Wanwanoidea trigonalis* var. *delicata* Kobayashi, p.288, pl.8, fig.6. Holotype.
- PA0302. *Ribeiria manchurica* Kobayashi, p.291, pl.9, fig.5a,b. Holotype.
- PA0303. *Ribeiria manchurica* var. *pennata* Kobayashi, p.291, pl.9, fig.4a,b. Syntype. (missing)
- PA0304. *Ribeiria bassleri* Kobayashi, p.292, pl.4, fig.4a,b. Holotype.
- PA0305. *Euchasma eopteriformis* Kobayashi, p.293, pl.8, fig.4a-c. Holotype.

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Kobayashi, T. (1933a): continued

- PA0306. *Euchasmella multistriata* Kobayashi, p.294, pl.8, fig.5a-c. Holotype. (missing)
- PA0307. *Eopteria asiatica* Kobayashi, p.296, pl.8, fig.2a,b. Holotype.
- PA0308. *Eopteria alta* Kobayashi, p.296, pl.8, fig.7a-c. Holotype.
- PA0309. *Eopteria obsolata* Kobayashi, p.297, pl.8, fig.3a,b. Holotype.
- PA0310. *Eopteria flora* Kobayashi, p.297, pl.8, fig.1a,b. Holotype.
- PA0311. *Eoischyrina billingsi* Kobayashi, p.298, pl.7, fig.9a-c. Holotype.
- PA0312. *Pseudotechnophorus typicalis* Kobayashi, p.301, pl.8, fig.8. Paratype.
- PA0313. *Pseudotechnophorus typicalis* Kobayashi, p.301, pl.9, fig.1a,b. Paratype.
- PA0314. *Pseudotechnophorus typicalis* Kobayashi, p.301, pl.9, fig.8. Holotype.
- PA0315. *Pseudoeuchasma typica* Kobayashi, p.302, pl.9, fig.10a-c. Holotype. (missing)
- PM0316. *Sinoeremoceras wanwanense* (Kobayashi), p.305, pl.2, fig.6a,b.
- PM0317. *Sinoeremoceras wanwanense* (Kobayashi), p.305, pl.2, fig.7.
- PM0318. *Sinoeremoceras wanwanense* (Kobayashi), p.305, pl.2, fig.9, pl.3, fig.5.
- PM0319. *Sinoeremoceras wanwanense* (Kobayashi), p.305, pl.2, fig.10.
- PM0320. *Sinoeremoceras wanwanense* (Kobayashi), p.305, pl.3, fig.2. (missing)

Kobayashi, T. (1933b): On the occurrence of Xiphosuran remains in Chosen (Korea). *Japan. Jour. Geol. Geogr.*, vol.10, nos.3-4, pp.175-182, pl. 16.

- PM0432a. *Anthracomya* (?) *jidoensis* Kobayashi, p.176, pl.16, fig.4. Holotype.
- PP0432b. *Pecopteris* (?) sp., pl.16, fig.4.
- PA0433. *Euproops orientalis* Kobayashi, p.178, pl.16, figs.1,2. Holotype.

Kobayashi, T. (1933c): Upper Cambrian of the Wuhutsui Basin, Liaotung, with special reference to the limit of the Chaumitian (or upper Cambrian) of eastern Asia, and its subdivision. *Japan. Jour. Geol. Geogr.*, vol.11, nos.1-2, pp.55-155, pls.9-15.



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Kobayashi, T. (1933c) continued

- PB0321. *Obolus* (?) *ohuzumaki* Kobayashi, p.90, pl.9, fig.5. Holotype.
- PB0322. *Obolus trigonalis* Kobayashi, p.91, pl.9, fig.12. Syntype.
- PB0323. *Obolus trigonalis* Kobayashi, p.91, pl.9, fig.13. Syntype.
- PB0324. *Obolus sankiensis* Kobayashi, p.92, pl.9, fig.7. Holotype.
- PB0325. *Lingulella reticulata* Kobayashi, p.92, pl.9, fig.3. Syntype.
- PB0326. *Lingulella reticulata* Kobayashi, p.92, pl.9, fig.4. Syntype.
- PB0327. *Lingulella chinchiaensis* Kobayashi, p.92, pl.9, fig.11. Holotype.
- PB0328. *Billingsella goettschei* Kobayashi, p.93, pl.9, fig.15. Syntype.
- PB0329. *Billingsella goettschei* Kobayashi, p.93, pl.9, fig.16. Syntype.
- PB0330. *Billingsella goettschei* Kobayashi, p.93, pl.9, fig.25. Syntype.
- PB0331. *Billingsella hsishanensis* Kobayashi, p.94, pl.9, fig.2. Holotype.
- PB0332. *Eoorthis pagoda* (Walcott), p.94, pl.9, fig.1.
- PB0333. *Eoorthis pagodiformis* Kobayashi, p.94, pl.9, fig.14. Holotype. (missing)
- PB0334. *Finkelburgia* (?) *manchurica* Kobayashi, p.95, pl.9, fig.8. Holotype.
- PB0335. *Finkelburgia* (?) *manchurica* Kobayashi, p.95, pl.9, fig.9. Paratype.
- PB0336. *Finkelburgia* (?) *manchurica* Kobayashi, p.95, pl.9, fig.10. Paratype.
- PB0337. *Huenella sexplicata* Kobayashi, p.95, pl.9, fig.6. Holotype.
- PM0338. *Pelagiella hinomotoensis* Kobayashi, p.96, pl.9, fig.17. Holotype.
- PM0339. *Pelagiella hinomotoensis* Kobayashi, p.96, pl.9, fig.18. Paratype.
- PA0340. *Agnostus hoiformis* Kobayashi, p.97, pl.10, fig.1. Syntype.
- PA0341. *Agnostus hoiformis* Kobayashi, p.97, pl.10, fig.2. Syntype. (missing)
- PA0342. *Agnostus hoiformis* Kobayashi, p.97, pl.10, fig.3. Syntype. (missing)
- PA0343. *Pseudagnostus cyclopygeformis* (Sun), p.97, pl.9, fig.19. (missing)
- PA0344. *Pseudagnostus cyclopygeformis* (Sun), p.97, pl.9, figs.23,24.
- PA0345a. *Pseudagnostus cyclopygeformis* (Sun), p.97, pl.10, fig.7. (missing)
- PA0345b. *Chuangia transversalis* Kobayashi, p.108, pl.10, fig.7. Syntype. (missing)
- PA0346. *Pseudagnostus orientalis* Kobayashi, p.98, pl.9, figs.20,21. Paratype.

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Kobayashi, T. (1933c): continued

- PA0347. *Pseudagnostus orientalis* Kobayashi, p.98, pl.9, fig.22. Holotype.
- PA0348. *Koldinioidia aspinosa* Kobayashi, p.100, pl.10, fig.5. Syntype.
- PA0349. *Koldinioidia aspinosa* Kobayashi, p.100, pl.10, fig.6. Syntype.
- PA0350. *Changshania conica* Sun, p.100, pl.10, fig.19.
- PA0351. *Changshania* (?) *truncata* Sun, p.101, pl.10, fig.4.
- PA0352. *Changshania* (?) *liaotungensis* Kobayashi [error of *Changshania*], p.101, pl.10, figs.8,9. Syntype.
- PA0353. *Changshania* (?) *liaotungensis* Kobayashi [error of *Changshania*], p.101, pl.10, fig.10. Syntype.
- PA0354. *Changshania* (?) *liaotungensis* Kobayashi [error of *Changshania*], p.101, pl.10, fig.16, Syntype.
- PA0355. *Solenopleura kotoi* Kobayashi, p.102, pl.10, figs.11,12. Holotype.
- PA0356. *Solenopleura kotoi* Kobayashi, p.102, pl.10, fig.13. Paratype.
- PA0357. *Solenopleura* sp., p.103, pl.10, fig.17.
- PA0358. *Solenopleura* sp., p.103, pl.10, fig.18.
- PA0359. *Kaolishania* cf. *pustulosa* Sun, p.103, pl.11, figs.17,18.
- PA0360. *Kaolishania* (?) *granulosa* Kobayashi, p.104, pl.11, figs.19,20. Holotype.
- PA0361. *Kaolishania* (?) *obsolata* Kobayashi, p.104, pl.11, fig.15. Syntype. (missing)
- PA0362. *Kaolishania* (?) *obsolata* Kobayashi, p.104, pl.11, fig.16. Syntype.
- PA0363. *Blountia* ? *kini* Kobayashi, p.104, pl.11, fig.12. Holotype. (missing)
- PA0364. *Chuangia kawadai* Kobayashi, p.106, pl.11, fig.1. Holotype.
- PA0365. *Chuangia kawadai* Kobayashi, p.106, pl.11, fig.2. Paratype.
- PA0366. *Chuangia kawadai* Kobayashi, p.106, pl.11, fig.3. Paratype.
- PA0367. *Chuangia transversalis* Kobayashi, p.108, pl.10, fig.14. Syntype.
- PA0368. *Chuangia transversalis* Kobayashi, p.108, pl.10, fig.15. Syntype.
- PA0369. *Pagodia richthofeni* Kobayashi, p.111, pl.11, figs.6,7. Syntype.
- PA0370. *Pagodia richthofeni* Kobayashi, p.111, pl.11, fig.8. Syntype.
- PA0371. *Pagodia chaoi* Kobayashi, p.111, pl.11, figs.9,10. Holotype.
- PA0372. *Pagodia damesi* Kobayashi, p.111, pl.11, fig.4. Holotype.
- PA0373. *Pagodia buda* Resser and Endo, p.112, pl.11, fig.11.
- PA0374. *Pagodia lorenzi* Kobayashi, p.112, pl.11, fig.5. Holotype.
- PA0375. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, fig.1.

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Kobayashi, T. (1933c): continued

- PA0376. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, fig.2.
- PA0377. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, fig.3.
- PA0378. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, figs.4,5.
- PA0379. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, fig.6.
- PA0380. *Asioptychaspis subglobosa* (Grabau), p.118, pl.12, fig.7.
- PA0381. *Asioptychaspis ceto* (Walcott), p.119, pl.11, fig.14.
- PA0382. *Asioptychaspis sphaira* Kobayashi, p.119, pl.12, fig.11. Syntype.
- PA0383. *Asioptychaspis sphaira* Kobayashi, p.119, pl.12, figs.12,13. Syntype.
- PA0384. *Quadraticephalus manchuricus* Kobayashi, p.121, pl.13, fig.2. Paratype.
- PA0385. *Quadraticephalus manchuricus* Kobayashi, p.121, pl.13, fig.3. Paratype.
- PA0386. *Quadraticephalus manchuricus* Kobayashi, p.121, pl.13, figs.4,5. Holotype.
- PA0387. *Quadraticephalus manchuricus* Kobayashi, p.121, pl.13, figs.6,7. Paratype.
- PA0388. *Quadraticephalus calchas* (Walcott), p.122, pl.11, fig.13.
- PA0389. *Quadraticephalus calchas* (Walcott), p.122, pl.12, fig.8.
- PA0390. *Quadraticephalus calchas* (Walcott), p.122, pl.12, fig.9.
- PA0391. *Quadraticephalus walcotti* Sun, p.123, pl.13, figs.12-14.
- PA0392. *Quadraticephalus pyrus* Kobayashi, p.123, pl.13, fig.8. Holotype.
- PA0393. *Quadraticephalus teres* Resser and Endo, p.124, pl.12, fig.10.
- PA0394. *Prosaukia ulrichi* Kobayashi, p.125, pl.13, fig.11. Holotype.
- PA0395. *Prosaukia* (?) *orientalis* Kobayashi, p.126, pl.13, fig.10. Holotype.
- PA0396. *Saukia aojii* Kobayashi, p.127, pl.13, fig.1. Holotype.
- PA0397. *Saukia* (?) *paiensis* Resser and Endo, p.128, pl.12, figs.14,15.
- PA0398. *Tellerina paichiaensis* Kobayashi, p.130, pl.13, fig.9. Holotype.
- PA0399. *Tsinania canens* (Walcott), p.136, pl.14, fig.4.
- PA0400. *Tsinania canens* (Walcott), p.136, pl.14, figs.5,6.
- PA0401. *Tsinania ceres* (Walcott), p.136, pl.14, figs.1,2.
- PA0402. *Tsinania ceres* (Walcott), p.136, pl.14, fig.3.
- PA0403. *Tsinania longa* Kobayashi, p.137, pl.14, figs.20,21. Holotype.
- PA0404. *Tsinania* (?) *humilis* Kobayashi, p.137, pl.14, figs.18,19. Holotype. (missing)

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Kobayashi, T. (1933c): continued

- PA0405. *Dictya dictys* (Walcott), p.138, pl.14, fig.7.
- PA0406. *Dictya dictys* (Walcott), p.138, pl.14, figs.8,9.
- PA0407. *Dictya dolichocephala* Kobayashi, p.138, pl.14, fig.12. Holotype.
- PA0408. *Dictya trigonalis* Kobayashi, p.139, pl.14, figs.10,11. Paratype.
- PA0409. *Dictya trigonalis* Kobayashi p.139, pl.14, figs.13,14. Holotype.
- PA0410. *Dictya trigonalis* Kobayashi, p.139, pl.14, fig.15. Paratype.
- PA0411. *Dictyella wuhuensis* Kobayashi, p.140, pl.15, fig.17. Holotype.
- PA0412. *Dictyella ozawai* Kobayashi, p.141, pl.15, fig.18. Holotype.
- PA0413. *Dictyella* (?) *longicephalina* Kobayashi, p.142, pl.14, figs.16,17. Holotype.
- PA0414. *Kingstonia paichiaensis* Kobayashi, p.143, pl.15, fig.14. Holotype.
- PA0415. *Kingstonia paichiaensis* Kobayashi, p.143, pl.15, fig.15. Paratype.
- PA0416. *Wuhuia belus* (Walcott), p.145, pl.15, fig.1.
- PA0417. *Maladioides asiaticus* Kobayashi, p.146, pl.15, figs.9,10. Holotype.
- PA0418. *Maladioides asiaticus* Kobayashi, p.146, pl.15, fig.11. Paratype. (missing)
- PA0419. *Maladioides asiaticus* Kobayashi, p.146, pl.15, fig.12. Paratype.
- PA0420. *Maladioides fragmentus* (Walcott), p.147, pl.15, fig.13.
- PA0421. *Haniwa sosanensis* Kobayashi, p.148, pl.15, figs.2,3. Holotype.
- PA0422. *Haniwa sosanensis* Kobayashi, p.148, pl.15, fig.4. Paratype.
- PA0423. *Haniwa sosanensis* Kobayashi, p.148, pl.15, fig.5. Paratype.
- PA0424. *Haniwa quadrata* Kobayashi, p.149, pl.15, figs.7,8. Holotype.
- PA0425. *Haniwa* sp., p.149, pl.15, fig.16.
- PA0426. *Hysteroletus* (?) *manchuricus* Kobayashi, p.150, pl.15, fig.6. Holotype.

Kobayashi, T. (1934a): A few Ordovician brachiopods from Manchuria and Chosen, and a new species of Conchostraca from the basal Ordovician of Manchuria. *Japan. Jour. Geol. Geogr.*, vol.11, nos.3-4, pp.161-169, pl. 18.

- PB0434. *Syntrophinella typica* Ulrich and Cooper, p.164, pl.18, fig.1.
- PB0435. *Syntrophinella typica* Ulrich and Cooper, p.164, pl.18, fig.2.

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Kobayashi, T. (1934a): continued

- PB0436. *Syntrophinella typica* Ulrich and Cooper, p.164, pl.18, fig.3.
- PB0437. *Syntrophinella typica* Ulrich and Cooper, p.164, pl.18, fig.4.
- PB0438. *Syntrophinella elliptica* Kobayashi, p.165, pl.18, figs.5-7. Holotype.
- PB0439. *Syntrophinella deltoides* Kobayashi, p.165, pl.18, figs.8-10. Holotype.
- PB0440. *Pomatotrema shinsoensis* Kobayashi, p.166, pl.18, figs.11,12. Syntype.
- PB0441. *Pomatotrema shinsoensis* Kobayashi, p.166, pl.18, figs.13,15. Syntype.
- PB0442. *Pomatotrema shinsoensis* Kobayashi, p.166, pl.18, fig.14. Syntype.
- PB0443. *Strophomena* sp. aff. *S. incurvata* (Shephard), p.167, pl.18, fig. 16.
- PB0444. *Aluta chiushuensis* Kobayashi, p.168, pl.18, fig.17. Holotype. (missing)

Kobayashi, T. (1934b): The Cambro-Ordovician formations and faunas of South Chosen. Palaeontology. Part I. Middle Ordovician faunas. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.3, part 8, pp.329-519, pls.1-44.

- PM0012. *Sigmocycloceras kogenense* (Kobayashi), p.425, pl.44, fig.11. Holotype. [see also Kobayashi (1928)]
- PM0055. *Centrocyrtoceras kochyonense* (Kobayashi), p.427, pl.31, figs.3,4. Holotype. [see also Kobayashi (1928)]
- PH0511. *Diplograptus* (*Amplexograptus*) *perexcavatus* Lapworth, p.336, pl.1, figs.2-8. (missing)
- PH0512. *Dicellograptus* or *Dicranograptus* sp., p.337, pl.1, fig.1. (missing)
- PE0513. *Plumulites chikunensis* Kobayashi, p.338, pl.32, fig.2. Syntype. (missing)
- PB0514. *Lingula* sp., p.338, pl.3, fig.15.
- PB0515. *Lingula* sp., p.338, pl.3, fig.25.
- PB0516. *Orthis nipponica* Kobayashi, p.339, pl.1, fig.15. Syntype.
- PB0517. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.9. Syntype.
- PB0518. *Orthis nipponica* Kobayashi, p.339, pl.2, figs.10-12. Syntype. (missing)
- PB0519. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.13. Syntype. (missing)

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Kobayashi, T. (1934b): continued

- PB0520 [= PB0522]. *Orthis nipponica* Kobayashi, p.339, pl.2, figs.14,15. Syntype.
- PB0521. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.16. Syntype.
- PB0522 [= PB0520]. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.17. Syntype.
- PB0523. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.18. Syntype. (missing)
- PB0524. *Orthis nipponica* Kobayashi, p.339, pl.2, fig.19. Syntype.
- PB0525. *Rafinesquina chosenensis* Kobayashi, p.343, pl.1, fig.9. Syntype.
- PB0526. *Rafinesquina chosenensis* Kobayashi, p.343, pl.1, fig.10. Syntype.
- PB0527. *Rafinesquina chosenensis* Kobayashi, p.343, pl.1, fig.11. Syntype.
- PB0528. *Rafinesquina chosenensis* Kobayashi, p.343, pl.1, fig.12. Syntype.
- PB0529. *Rafinesquina chosenensis* Kobayashi, p.343, pl.1, fig.13. Syntype.
- PB0530. *Rafinesquina chosenensis* Kobayashi, p.343, pl.2, fig.20. Syntype.
- PB0531. *Rafinesquina chosenensis* Kobayashi, p.343, pl.2, fig.21. Syntype.
- PB0532. *Rafinesquina* aff. *alternata* (Emmons), p.344, pl.1, fig.14.
- PB0533. *Rafinesquina* aff. *alternata* (Emmons), p.344, pl.2, fig.22.
- PB0534. *Rafinesquina* aff. *alternata* (Emmons), p.344, pl.3, fig.24.
- PM0535. *Ctenodonta nipponica* Kobayashi, p.345, pl.3, figs.1-3. Holotype.
- PM0536. *Ctenodonta nipponica* Kobayashi, p.345, pl.4, fig.16. Paratype.
- PM0537. *Ctenodonta nasutaformis* Kobayashi, p.346, pl.4, figs.13,14. Holotype.
- PM0538. *Ctenodonta nasutaformis* Kobayashi, p.346, pl.4, fig.15. Paratype.
- PM0539. *Ctenodonta dotenensis* Kobayashi, p.347, pl.4, fig.18. Holotype.
- PM0540. *Ctenodonta coreanica* Kobayashi, p.347, pl.3, fig.16. Holotype.
- PM0541. *Ctenodonta coreanica* Kobayashi, p.347, pl.3, fig.17. Paratype.
- PM0542. *Ctenodonta coreanica* Kobayashi, p.347, pl.4, fig.17. Paratype. (missing)
- PM0543. *Ctenodonta subsymmetrica* Kobayashi, p.348, pl.4, figs.7,8. Holotype.
- PM0544. *Ctenodonta samenoha* Kobayashi, p.348, pl.3, fig.10. Syntype.
- PM0545. *Ctenodonta samenoha* Kobayashi, p.348, pl.3, fig.11. Syntype.
- PM0546. *Ctenodonta corbuliformis* Kobayashi, p.349, pl.3, fig.7. Syntype.
- PM0547. *Ctenodonta corbuliformis* Kobayashi, p.349, pl.3, fig.22. Syntype.
- PM0548. *Ctenodonta corbuliformis* Kobayashi, p.349, pl.3, fig.22. Syntype.

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Kobayashi, T. (1934b): continued

- PM0549a. *Ctenodonta oblongata* Kobayashi, p.350, pl.3, fig.21. Paratype.
- PM0549b. *Ctenodonta oblongata* Kobayashi, p.350, pl.4, fig.12. Holotype.
- PM0550. *Ctenodonta* (?) *striata* Kobayashi, p.351, pl.4, fig.11. Lectotype.
- PM0551. *Nuculites* (?) *suboblongatus* Kobayashi, p.351, pl.4, fig.20. Holotype.
- PM0552. *Cyrtodonta* (?) sp., p.352, pl.4, fig.19.
- PM0553. *Clionychia oviformis* Kobayashi, p.352, pl.3, fig.14. Holotype.
- PM0554. *Conocardium* sp., p.353, pl.3, figs.8,9.
- PM0555. *Modiolopsis kogenensis* Kobayashi, p.354, pl.3, fig.6. Paratype.
- PM0556. *Modiolopsis kogenensis* Kobayashi, p.354, pl.3, figs.18,19. Holotype.
- PM0557. *Modiolopsis kogenensis* Kobayashi, p.354, pl.3, fig.20. Paratype.
- PM0558. *Modiolopsis reedi* Kobayashi, p.355, pl.4, fig.21. Holotype.
- PM0559. *Modiolopsis elongata* Kobayashi, p.356, pl.4, figs.9,10. Holotype.
- PM0560. *Modiolopsis hinomotoensis* Kobayashi, p.356, pl.3, figs.12,13. Holotype.
- PM0561. *Modiolopsis rugosa* Kobayashi, p.357, pl.4, fig.22. Holotype. (missing)
- PM0562. *Goniophora orientalis* Kobayashi, p.357, pl.3, fig.4. Holotype.
- PM0563. *Goniophora orientalis* Kobayashi, p.357, pl.3, fig.5. Paratype.
- PM0564. *Conchopeltis* ? *unicarinata* Kobayashi, p.358, pl.32, figs.3,4. Holotype.
- PM0565. *Palaeacmaea hampakuensis* Kobayashi, p.359, pl.4, figs.1,2. Paratype.
- PM0566. *Palaeacmaea hampakuensis* Kobayashi, p.359, pl.4, figs.3,4. Holotype.
- PM0567. *Palaeacmaea hampakuensis* Kobayashi, p.359, pl.5, fig.10. Paratype.
- PM0568. *Palaeacmaea hampakuensis* Kobayashi, p.359, pl.5, figs.5,6. Paratype.
- PM0569. *Palaeacmaea sohsanensis* Kobayashi, p.359, pl.5, figs.5,6. Holotype.
- PM0570. *Sinuitopsis kochiriensis* Kobayashi, p.360, pl.5, figs.1,2. Syn-type.
- PM0571. *Sinuitopsis kochiriensis* Kobayashi, p.360, pl.5, figs.3,4. Syn-type.

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Kobayashi, T. (1934b): continued

- PM0572. *Oxynodiscus sigmoidalis* Kobayashi, p.361, pl.5, figs.8,9. Holotype.
- PM0573. *Bellerophon* sp., p.361, pl.6, figs.9,10.
- PM0574. *Bucanopsis tsuibonensis* Kobayashi, p.361, pl.6, figs.1-3. Holotype.
- PM0575. *Bucanopsis tsuibonensis* Kobayashi, p.361, pl.6, fig.4. Paratype.
- PM0576. *Bucanopsis tsuibonensis* Kobayashi, p.361, pl.6, figs.5-7. Paratype.
- PM0577. *Bucanopsis tsuibonensis* Kobayashi, p.361, pl.6, fig.8. Paratype.
- PM0578. *Lophospira pagoda* (Salter), p.365, pl.9, figs.8-10.
- PM0579. *Lophospira pagoda* (Salter), p.365, pl.9, figs.11-14.
- PM0580. *Lophospira pagoda* (Salter), p.365, pl.9, figs.15-17.
- PM0581. *Lophospira pagoda* (Salter), p.365, pl.9, figs.18-20.
- PM0582. *Lophospira pagoda* (Salter), p.365, pl.9, fig.21.
- PM0583. *Lophospira pagoda* (Salter) var., p.366, pl.9, figs.22-25.
- PM0584. *Lophospira* aff. *pagoda* (Salter), p.366, pl.4, figs.25,26.
- PM0586. *Lophospira endoi* Kobayashi, p.366, pl.9, figs.1-4. Holotype.
- PM0587. *Lophospira kinosakii* Kobayashi, p.367, pl.9, figs.27,28. Holotype.
- PM0588. *Lophospira tateiwai* Kobayashi, p.367, pl.9, figs.5-7. Holotype.
- PM0589. *Lophospira* sp., p.368, pl.9, fig.26.
- PM0590. *Liospira taihakuensis* Kobayashi, p.368, pl.7, figs.7,8. Holotype.
- PM0591. *Liospira shohakuensis* Kobayashi, p.368, pl.7, figs.12,13. Holotype.
- PM0592. *Liospira shohakuensis* Kobayashi, p.368, pl.7, figs.15,16. Paratype.
- PM0593. *Eccyliopterus shirakii* Kobayashi, p.369, pl.7, figs.4-6. Syntype.
- PM0594. *Eccyliopterus shirakii* Kobayashi, p.369, pl.7, figs.9-11. Syntype.
- PM0595. *Eccyliopterus minimus* Kobayashi, p.370, pl.4, figs.5,6. Holotype.
- PM0596. *Helicotoma* sp., p.371, pl.4, figs.23,24.
- PM0597. *Raphistoma coreanicum* Kobayashi, p.371, pl.8, figs.1-3. Paratype.
- PM0598. *Raphistoma coreanicum* Kobayashi, p.371, pl.8, figs.10,11. Holotype.
- PM0599. *Raphistoma keizanense* Kobayashi, p.372, pl.7, figs.1-3. Holotype.
- PM0600. *Raphistoma keizanense* Kobayashi, p.372, pl.7, fig.14. Paratype.



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Kobayashi, T. (1934b): continued

- PM0601. *Raphistoma katoi* Kobayashi, p.373, pl.8, figs.4-6. Paratype.
- PM0602. *Raphistoma katoi* Kobayashi, p.373, pl.8, figs.7-9. Holotype.
- PM0603. *Raphistoma katoi* Kobayashi, p.373, pl.8, figs.12,13. Paratype.
- PM0604. *Raphistoma katoi* Kobayashi, p.373, pl.8, figs.12,13. Paratype.
- PM0605. *Fusispira* sp., p.373, pl.5, fig.7.
- PM0606. *Hyolithes* sp., p.374, pl.44, figs.7,8.
- PM0607. *Robsonoceras* (?) *meridionale* Kobayashi, p.376, pl.10, fig.7. Syntype.
- PM0608. *Robsonoceras* (?) *meridionale* Kobayashi, p.376, pl.11, figs.9,10. Syntype.
- PM0609. *Robsonoceras* (?) *meridionale* Kobayashi, p.376, pl.14, fig.5. Syntype.
- PM0610. *Endoceras alticameratum* Kobayashi, p.384, pl.15, figs.6-8. Holotype.
- PM0611. *Cyclendoceras orientale* Kobayashi, p.386, pl.10, fig.1. Syntype.
- PM0612. *Cyclendoceras orientale* Kobayashi, p.386, pl.10, fig.2. Syntype.
- PM0613. *Cyclendoceras orientale* Kobayashi, p.386, pl.10, figs.3,4. Syntype.
- PM0614. *Vaginoceras neichianense* Yü, p.387, pl.13, figs.4,5.
- PM0615. *Vaginoceras* cf. *reedi* Yü, p.388, pl.13, fig.6.
- PM0616. *Vaginoceras* cf. *reedi* Yü, p.388, pl.14, fig.4.
- PM0617. *Paravaginoceras parvodepressum* Kobayashi, p.389, pl.12, figs.3-5. Holotype.
- PM0618. *Cyrtovaginoceras pacificum* Kobayashi, p.390, pl.15, figs.1-5. Holotype.
- PM0619. *Kotoceras typicum* Kobayashi, p.392, pl.11, fig.1. Holotype.
- PM0620. *Kotoceras typicum* Kobayashi, p.392, pl.11, fig.2. Paratype.
- PM0621. *Kotoceras typicum* Kobayashi, p.392, pl.11, figs.3,4. Paratype.
- PM0622. *Kotoceras cylindricum* Kobayashi, p.393, pl.12, figs.7,8. Paratype.
- PM0623. *Kotoceras cylindricum* Kobayashi, p.393, pl.13, figs.8,9. Holotype.
- PM0624. *Kotoceras cylindricum* Kobayashi var., p.393, pl.10, fig.6.
- PM0625. *Kotoceras multiseptum* Kobayashi, p.394, pl.12, fig.1. Holotype.
- PM0627. *Kotoceras multiseptum* Kobayashi, p.394, pl.13, figs.1-3. Paratype.

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Kobayashi, T. (1934b): continued

- PM0628. *Kotoceras grabau* (Kobayashi), p.395, pl.11, figs.5,6.
- PM0629. *Kotoceras grabau* (Kobayashi), p.395, pl.11, figs.7,8.
- PM0630. *Kotoceras grabau* (Kobayashi), p.395, pl.12, fig.6.
- PM0631. *Kotoceras grabau* (Kobayashi), p.395, pl.14, figs.1,2.
- PM0632. *Kotoceras grabau* (Kobayashi), p.395, pl.14, fig.3.
- PM0633. *Kotoceras* sp., p.396, pl.13, fig.7.
- PM0634. *Kawasakiceras densistriatum* Kobayashi, p.397, pl.14, figs.6,7. Holotype.
- PM0635. *Orthoceras yûi* Kobayashi [to be emended as *yuei*], p.404, pl.29, figs.8,9. Holotype.
- PM0637. *Orthoceras seihekiense* Kobayashi, p.405, pl.16, figs.7-9. Paratype.
- PM0638. *Orthoceras seihekiense* Kobayashi, p.405, pl.17, figs.1-5. Holotype.
- PM0639. *Orthoceras reticulatum* Kobayashi, p.406, pl.16, figs.3-5. Holotype.
- PM0640 [= PM0010]. *Orthoceras nakamurai* Kobayashi, p.407, pl.17, figs. figs.6-8. Holotype.
- PM0641. *Orthoceras nakamurai* Kobayashi, p.407, pl.25, fig.1.
- PM0642. *Orthoceras nakamurai* Kobayashi, p.407, pl.25, fig.2.
- PM0643. *Sactorthoceras shimamurai* Kobayashi, p.408, pl.19, figs.1-3. Holotype.
- PM0644 [= PM0007]. *Sactorthoceras makkolense* (Kobayashi), p.408, pl.15, fig.9. Syntype. [see also Kobayashi (1928)]
- PM0645. *Sactorthoceras tenuicurvatum* Kobayashi, p.409, pl.16, figs.1,2. Holotype.
- PM0646. *Sactorthoceras tenuicurvatum* Kobayashi, p.409, pl.17, figs.9,10. Paratype.
- PM0647. *Sactorthoceras wongiforme* Kobayashi, p.410, pl.20, fig.10. Holotype.
- PM0648. *Sactorthoceras wongiforme* Kobayashi, p.410, pl.31, figs.1,2. Paratype.
- PM0649. *Sactorthoceras gonioseptum* Kobayashi, p.411, pl.16, fig.6, pl. 20, fig.9. Paratype.
- PM0650. *Sactorthoceras gonioseptum* Kobayashi, p.411, pl.18, figs.1-3. Holotype.
- PM0651. *Sigmorthoceras coreanicum* (Kobayashi), p.413, pl.22, fig.7.
- PM0652. *Sigmorthoceras sigmoidale* Kobayashi, p.414, pl.21, figs.1-3.

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Kobayashi, T. (1934b): continued

Holotype.

- PM0653. *Geisonoceras hyatti* Kobayashi, p.415, pl.23, figs.3,4. Holotype.
- PM0654. *Geisonoceras abruptum* Kobayashi, p.416, pl.20, fig.3. Holotype.
- PM0655 [= PM0052]. *Centroonoceras tokunagai* (Kobayashi), p.417, pl.26, figs.4-6. Holotype. [see also Kobayashi (1928)]
- PM0656. *Cycloceras densiannulatum* Kobayashi, p.419, pl.22, figs.3-6. Holotype.
- PM0657. *Cycloceras taihakuense* Kobayashi, p.420, pl.22, figs.1,2. Paratype.
- PM0658. *Cycloceras taihakuense* Kobayashi, p.420, pl.23, figs.5,6. Paratype.
- PM0659. *Cycloceras taihakuense* Kobayashi, p.420, pl.24, figs.4-6. Holotype.
- PM0660. *Cycloceras* sp., p.421, pl.29, figs.12,13.
- PM0661. *Cycloceras chikunense* (Kobayashi), p.421, pl.23, fig.1.
- PM0662. *Cycloceras* aff. *chikunense* (Kobayashi), p.422, pl.20, figs.4-6.
- PM0663. *Cycloceras subchikunense* Kobayashi, p.422, pl.20, figs.7,8. Holotype.
- PM0664. *Cycloceras eccentricosiphonatum* Kobayashi, p.423, pl.31, figs.6,7. Holotype.
- PM0665. *Cycloceras* sp., p.424, pl.23, fig.2.
- PM0666. *Spyroceras orientale* Kobayashi, p.425, pl.31, figs.8,9,11. Holotype.
- PM0669. *Trocholites ammonioides* Kobayashi, p.428, pl.26, figs.1-3. Holotype.
- PM0670. *Stereoplasmodoceras tofangioides* Kobayashi, p.433, pl.24, fig.1. Holotype.
- PM0671. *Stereoplasmodoceras yabei* Kobayashi, p.434, pl.20, fig.1. Holotype.
- PM0672. *Stereoplasmodoceras yabei* Kobayashi, p.434, pl.20, fig.2. Paratype.
- PM0673. *Stereoplasmodoceras yabei* Kobayashi, p.434, pl.24, figs.2,3. Paratype.
- PM0674. *Tofangoceras huroniforme* Kobayashi, p.435, pl.27, fig.9. Paratype.
- PM0675. *Tofangoceras huroniforme* Kobayashi, p.435, pl.27, figs.10,11,14. Holotype.
- PM0676. *Sactoceras eccentricum* Kobayashi, p.437, pl.27, figs.7,8. Holotype.
- PM0677. *Sactoceras princeps* Kobayashi, p.437, pl.28, fig.1. Holotype.

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Kobayashi, T. (1934b): continued

- PM0678. *Sactoceras shirakii* Kobayashi, p.438, pl.25, fig.3. Paratype.
- PM0679. *Sactoceras shirakii* Kobayashi, p.438, pl.25, fig.4. Paratype.
- PM0680. *Sactoceras shirakii* Kobayashi, p.438, pl.25, figs.5,6. Paratype.
- PM0682. *Sactoceras shirakii* Kobayashi, p.438, pl.27, figs.12,13. Holotype.
- PM0683. *Sactoceras yokoyamai* (Kobayashi), p.439, pl.27, fig.1.
- PM0684. *Sactoceras yokoyamai* (Kobayashi), p.439, pl.27, fig.2.
- PM0685. *Sactoceras yokoyamai* (Kobayashi), p.439, pl.27, figs.3-5.
- PM0686. *Sactoceras yokoyamai* (Kobayashi), p.439, pl.27, fig.6.
- PM0687. *Sactoceras yokoyamai* (Kobayashi), p.439, pl.28, fig.2.
- PM0688. *Ormoceras koraiense* Kobayashi, p.441, pl.30, figs.3,4. Holotype.
- PM0689. *Ormoceras koraiense* Kobayashi, p.441, pl.30, fig.5. Paratype.
- PM0690. *Ormoceras koraiense* Kobayashi, p.441, pl.30, figs.6,7. Paratype.
- PM0691. *Ormoceras koraiense* Kobayashi, p.441, pl.30, fig.8. Paratype.
- PM0692. *Ormoceras* (?) *nanumforme* Kobayashi, p.443, pl.29, figs.10,11. Holotype. (missing)
- PM0693. *Ormoceras foordi* Kobayashi, p.443, pl.25, figs.8,9. Holotype.
- PM0694. *Ormoceras cricki* Kobayashi, p.444, pl.23, fig.7. Holotype.
- PM0695. *Ormoceras cricki* Kobayashi, p.444, pl.25, fig.7. Paratype. (missing)
- PM0696. *Ormoceras woodwardsi* Kobayashi, p.445, pl.31, fig.5. Holotype (or Paratype).
- PM0697. *Armenoceras coreanicum* Kobayashi, p.449, pl.30, figs.1,2. Holotype.
- PM0698. *Armenoceras tateiwai* Kobayashi, p.449, pl.28, figs.3,4. Syntype.
- PM0699. *Armenoceras tateiwai* Kobayashi, p.449, pl.29, figs.5,6. Syntype.
- PM0700. *Armenoceras tateiwai* Kobayashi, p.449, pl.29, fig.7. Syntype.
- PM0701. *Kochoceras* (?) *yokusenense* Kobayashi, p.451, pl.29, figs.1-4. Holotype.
- PA0703. *Basilicus yokusensis* Kobayashi, p.465, pl.33, fig.1. Paratype.
- PA0704. *Basilicus yokusensis* Kobayashi, p.465, pl.33, fig.2. Paratype.
- PA0705. *Basilicus yokusensis* Kobayashi, p.465, pl.33, figs.3,4. Holotype.
- PA0707. *Basilicus yokusensis* Kobayashi, p.465, pl.33, fig.5. Paratype.
- PA0708. *Basilicus yokusensis* Kobayashi, p.465, pl.33, fig.6. Paratype.
- PA0709. *Basilicus yokusensis* Kobayashi, p.465, pl.33, fig.7. Paratype.

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Kobayashi (1934b): continued

- PA0710. *Basilicus yokusensis* Kobayashi, p.465, pl.34, fig.1. Paratype.
- PA0711. *Basilicus yokusensis* Kobayashi, p.465, pl.34, fig.2. Paratype.
- PA0712. *Basilicus yokusensis* Kobayashi, p.465, pl.34, fig.3. Paratype.
- PA0713. *Basilicus yokusensis* Kobayashi, p.465, pl.35. figs.9,10. Paratype.
- PA0714. *Basilicus deltacaudus* Kobayashi, p.466, pl.34, fig.4. Holotype.
- PA0715. *Basilicus deltacaudus* Kobayashi, p.466, pl.34, fig.5. Paratype.
- PA0716. *Basilicus deltacaudus* Kobayashi, p.466, pl.34, fig.6. Paratype.
- PA0717. *Basilicus deltacaudus* Kobayashi, p.466, pl.36, fig.2. Paratype.
- PA0718. *Basilicus deltacaudus* Kobayashi, p.466, pl.36, fig.3. Paratype.
- PA0719. *Basilicus deltacaudus* Kobayashi, p.466, pl.40, fig.8. Paratype.
- PA0720. *Basilicus deltacaudus* var. *tyrannoides* Kobayashi, p.468, pl.33, fig.8. Holotype.
- PA0721. *Basilicus* sp., p.468, pl.34, fig.7.
- PA0722. *Basilicus* (?) *endoi* Kobayashi, p.469, pl.40, fig.7. Syntype.
- PA0723. *Basilicus* (?) *endoi* Kobayashi, p.469, pl.42, fig.4. Syntype.
- PA0724. *Basiliella kawasaki* Kobayashi, p.470, pl.35, fig.4. Holotype.
- PA0725. *Basiliella kawasaki* Kobayashi, p.470, pl.35, fig.5. Paratype.
- PA0726. *Basiliella kawasaki* Kobayashi, p.470, pl.35, fig.6. Paratype.
- PA0727. *Basiliella kawasaki* Kobayashi, p.470, pl.35, fig.7. Paratype.
- PA0728. *Basiliella kawasaki* Kobayashi, p.470, pl.37, fig.10. Paratype.
- PA0729. *Basiliella* aff. *kawasaki* Kobayashi, p.471, pl.37, fig.11.
- PA0730. *Basiliella pyriformis* Kobayashi, p.471, pl.35, fig.1. Paratype. (missing)
- PA0731. *Basiliella pyriformis* Kobayashi, p.471, pl.35, fig.2. Paratype. (missing)
- PA0732. *Basiliella pyriformis* Kobayashi, p.471, pl.35, fig.3. Holotype.
- PA0733. *Basiliella pyriformis* Kobayashi, p.471, pl.35, fig.8. Paratype.
- PA0734. *Basiliella pyriformis* Kobayashi, p.471, pl.37, fig.1. Paratype.
- PA0735. *Basiliella lorenzi* Kobayashi, p.473, pl.36, fig.4. Syntype.
- PA0736. *Basiliella lorenzi* Kobayashi, p.473, pl.36, fig.5. Syntype.
- PA0737. *Basiliella lorenzi* Kobayashi, p.473, pl.36, figs.6,7. Syntype.
- PA0738. *Basiliella lorenzi* Kobayashi, p.473, pl.36, fig.8. Syntype.
- PA0739. *Basiliella minima* Kobayashi, p.474, pl.37, fig.5. Paratype.
- PA0740. *Basiliella minima* Kobayashi, p.474, pl.37, fig.6. Paratype.

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Kobayashi, T. (1934b): continued

- PA0741. *Basiliella minima* Kobayashi, p.477, pl.37, fig.7. Holotype.
- PA0742. *Basiliella minima* Kobayashi, p.477, pl.37, fig.8. Paratype.
- PA0743. *Parabasilicus typicalis* Kobayashi, p.477, pl.37, fig.2. Paratype.
- PA0744. *Parabasilicus typicalis* Kobayashi, p.477, pl.37, fig.3. Paratype.
- PA0745. *Parabasilicus typicalis* Kobayashi, p.477, pl.38, fig.2. Paratype.
- PA0746. *Parabasilicus typicalis* Kobayashi, p.477, pl.39, fig.1. Holotype.
- PA0747. *Parabasilicus typicalis* Kobayashi, p.477, pl.39, fig.2. Paratype.
- PA0748. *Parabasilicus typicalis* Kobayashi, p.477, pl.40, fig.4. Paratype.
- PA0749. *Parabasilicus shirakii* Kobayashi, p.479, pl.37, fig.4. Paratype.
- PA0750. *Parabasilicus shirakii* Kobayashi, p.479, pl.38, fig.1. Paratype.
- PA0751. *Parabasilicus shirakii* Kobayashi, p.479, pl.41, fig.1. Holotype.
- PA0752. *Parabasilicus shirakii* Kobayashi, p.479, pl.41, fig.2. Paratype.
- PA0753. *Parabasilicus shirakii* Kobayashi, p.479, pl.41, fig.3. Paratype.
- PA0754. *Parabasilicus shirakii* Kobayashi, p.479, pl.41, fig.4. Paratype.
- PA0755. *Parabasilicus shirakii* Kobayashi, p.479, pl.42, fig.5. Paratype.
- PA0756. *Parabasilicus yamanarii* Kobayashi, p.480, pl.36, fig.1. Paratype.
- PA0757. *Parabasilicus yamanarii* Kobayashi, p.480, pl.38, fig.3. Paratype.  
(missing)
- PA0758. *Parabasilicus yamanarii* Kobayashi, p.480, pl.38, fig.4. Paratype.
- PA0759. *Parabasilicus yamanarii* Kobayashi, p.480, pl.38, fig.5. Paratype.
- PA0760. *Parabasilicus yamanarii* Kobayashi, p.480, pl.39, fig.3. Paratype.
- PA0761. *Parabasilicus yamanarii* Kobayashi, p.480, pl.39, fig.4. Paratype.
- PA0762. *Parabasilicus yamanarii* Kobayashi, p.480, pl.39, fig.5. Holotype.
- PA0763. *Parabasilicus yamanarii* Kobayashi, p.480, pl.39, fig.6. Paratype.
- PA0764. *Parabasilicus yamanarii* Kobayashi, p.480, pl.40, fig.1. Paratype.
- PA0765. *Parabasilicus yamanarii* Kobayashi, p.480, pl.40, fig.2. Paratype.
- PA0766. *Parabasilicus yamanarii* Kobayashi, p.480, pl.40, fig.3. Paratype.
- PA0767. *Parabasilicus* (?) sp. aff. *Asaphus laevis* Weller, p.482, pl.37,  
fig.9.
- PA0768. *Parabasilicus* (?) sp. aff. *Asaphus laevis* Weller, p.482, pl.41,  
fig.5.
- PA0769. *Parabasilicus* (?) sp. aff. *Asaphus laevis* Weller, p.482, pl.42,  
fig.1.
- PA0770. *Parabasilicus* (?) sp. aff. *Asaphus laevis* Weller, p.482, pl.42,  
fig.2.

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Kobayashi, T. (1934b): continued

- PA0771. *Parabasilicus* (?) sp. aff. *Asaphus laevis* Weller, p.482, pl.42, fig.3.
- PA0772. *Ogygitoides raymondi* Kobayashi, p.484, pl.40, fig.5. Paratype.
- PA0773. *Ogygitoides raymondi* Kobayashi, p.484, pl.43, fig.1. Paratype.
- PA0774. *Ogygitoides raymondi* Kobayashi, p.484, pl.43, fig.2. Paratype.
- PA0775. *Ogygitoides raymondi* Kobayashi, p.484, pl.43, fig.3. Holotype. (missing)
- PA0776. *Ogygitoides raymondi* Kobayashi, p.484, pl.43, fig.4. Paratype.
- PA0777. *Ogygitoides raymondi* Kobayashi, p.484, pl.43, fig.5. Paratype.
- PA0778. *Ptychopyge* (?) sp. aff. *Ptychopyge thebawi* Reed, p.487, pl.43, fig.6.
- PA0779. *Onchometopus* (?) *makkolensis* Kobayashi, p.487, pl.40, fig.6. Syntype.
- PA0780. *Onchometopus* (?) *makkolensis* Kobayashi, p.487, pl.43, fig.7. Syntype.
- PA0781. *Asaphus* (?) aff. *minor* (Weller), p.488, pl.41, fig.6.
- PA0782. *Pliomera* aff. *martellii* Reed, p.492, pl.36, fig.9.
- PA0783. *Pliomera* aff. *martellii* Reed, p.492, pl.36, fig.10.
- PA0784. *Eopteria* (?) *trilobata* Kobayashi, p.493, pl.44, figs.9,10. Holotype.
- PA0785. *Primitia* sp., p.493, pl.44, fig.12. (missing)

Kobayashi, T. (1934c): The Cambro-Ordovician formations and faunas of South Chosen. Palaeontology. Part II. Lower Ordovician faunas. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.3, part 9, pp.521-585, pls.1-8.

- PE0786. Stems of cystoids, p.525, pl.1, fig.7.
- PE0787. Stems of cystoids, p.525, pl.1, fig.8.
- PE0788. Cystoid (?) stem, p.525, pl.1, fig.3.
- PE0789. Cystoid (?) stem, p.525, pl.1, fig.4.
- PE0790. Cystoid (?) stem, p.525, pl.1, fig.5.
- PE0791. Cystoid (?) stem, p.525, pl.1, fig.6.
- PE0792. *Plumulites primus* Kobayashi, p.526, pl.2, figs.1-3. Holotype. (missing)
- PW0793. *Serpulites ruedemanni* Kobayashi, p.527, pl.1, figs.9,10. Paratype.

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Kobayashi, T. (1934c): continued

- PW0794. *Serpulites ruedemanni* Kobayashi, p.527, pl.1, figs.11,12. Holotype.
- PB0795. *Lingulella tomkolensis* Kobayashi, p.527, pl.3, fig.4. Syntype.
- PB0796. *Lingulella dotensis* Kobayashi, p.528, pl.3, fig.5. Holotype.
- PB0797. *Eoorthis* (?) *saishoensis* Kobayashi, p.528, pl.3, fig.15. Syntype.
- PB0798. *Eoorthis* (?) *saishoensis* Kobayashi, p.528, pl.3, fig.16. Syntype.
- PB0799. *Eoorthis* (?) *saishoensis* Kobayashi, p.528, pl.3, figs.17,18. Syntype.
- PB0800. *Pomatotrema shinsonensis* Kobayashi, p.529, pl.3, figs.6-8.
- PB0801. *Pomatotrema shinsonensis* Kobayashi, p.529, pl.3, fig.9.
- PB0802. *Clarkella vulgaris* Kobayashi, p.530, pl.2, figs.11,12. Syntype.
- PB0803. *Clarkella vulgaris* Kobayashi, p.530, pl.2, figs.13,14. Syntype.
- PB0804. *Clarkella vulgaris* Kobayashi, p.530, pl.2, fig.15. Syntype.
- PB0805. *Clarkella vulgaris* Kobayashi, p.530, pl.2, fig.16. Syntype.
- PB0806. *Clarkella vulgaris* Kobayashi, p.530, pl.2, fig.17. Syntype.
- PB0807. *Clarkella vulgaris* Kobayashi var., p.531, pl.2, fig.19.
- PB0808. *Clarkella flora* Kobayashi, p.531, pl.3, figs.10,11. Syntype.
- PB0809. *Clarkella flora* Kobayashi, p.531, pl.3, figs.12,13. Syntype.
- PB0810. *Clarkella floriformis* Kobayashi, p.532, pl.3, fig.14. Paratype.
- PB0811. *Clarkella floriformis* Kobayashi, p.532, pl.3, figs.19-21. Holotype.
- PM0812. *Cyrtodonta* (?) *prima* Kobayashi, p.532, pl.7, fig.10. Holotype.
- PM0813. *Ophileta alta* Kobayashi, p.533, pl.2, fig.4. Syntype.
- PM0814. *Ophileta alta* Kobayashi, p.533, pl.2, figs.5,6. Syntype.
- PM0815. *Ophileta plana* Kobayashi, p.534, pl.2, figs.7,8. Syntype.
- PM0816. *Ophileta plana* Kobayashi, p.534, pl.2, fig.9. Syntype.
- PM0817. *Ophileta plana* Kobayashi, p.534, pl.2, fig.10. Syntype.
- PM0818. *Ellesmereoceroid*, gen. et sp. undt., p.535, pl.1, fig.1.
- PM0819. *Endoceroid* a, gen. et sp. undt., p.535, pl.1, fig.2.
- PA0820. *Agnostus radiarus* Kobayashi, p.536, pl.3, fig.1. Holotype.
- PA0821. *Agnostus* a sp., p.537, pl.3, figs.2,3.
- PA0822. *Agnostus* b sp., p.537, pl.8, fig.15.
- PA0823a. *Shumardia pellizzarii* Kobayashi, p.540, pl.6, fig.16. Holotype.
- PA0823b. *Protopliomerops seisonensis* Kobayashi, p.571, pl.8, fig.17. Syntype (?)



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Kobayashi, T. (1934c): continued

- PA0824. *Leiostegioides raymondi* Kobayashi, p.540, pl.6, fig.16. Holotype.
- PA0825. *Hystriacus megalops* Kobayashi, p.541, pl.6, fig.8. Syntype.
- PA0826. *Hystriacus megalops* Kobayashi, p.541, pl.6, fig.9. Syntype.
- PA0827. *Hystriacus eurycephalus* Kobayashi, p.542, pl.6, fig.10. Holotype.
- PA0828. *Onchonotus walcotti* Kobayashi, p.543, pl.8, fig.3. Holotype.
- PA0829. *Onchonotus* sp., p.543, pl.8, fig.2.
- PA0830. *Apatokephalus octopoides* Kobayashi, p.545, pl.6, fig.6. Holotype.
- PA0831. *Apatokephalus* sp., p.545, pl.8, fig.12.
- PA0832. *Apatokephalus* sp., p.545, pl.8, fig.13.
- PA0833. *Apatokephalus* sp., p.545, pl.8, fig.14.
- PA0834. *Plethopeltis ulrichi* Kobayashi, p.547, pl.6, fig.7. Holotype.
- PA0835. *Plethopeltis* ? *microlops* Kobayashi, p.547, pl.8, fig.4. Holotype.
- PA0836. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.1. Paratype.
- PA0837. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.2. Paratype.
- PA0838. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.3. Holotype.
- PA0839. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.4. Paratype.
- PA0840. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.5. Paratype.
- PA0841. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.6. Paratype.
- PA0842. *Asaphellus tomkolensis* Kobayashi, p.549, pl.4, fig.7. Paratype.
- PA0843. *Asaphellus* sp. aff. *A. gyracanthus* Raymond, p.551, pl.4, fig.8.
- PA0844. *Asaphellus* sp. aff. *A. gyracanthus* Raymond, p.551, pl.4, fig.9.
- PA0845. *Asaphellus* sp. aff. *A. gyracanthus* Raymond, p.551, pl.4, fig.10.
- PA0846. *Asaphellus* sp. aff. *A. gyracanthus* Raymond, p.551, pl.4, fig.11.
- PA0847. *Asaphellus* (?) *coreanicus* Kobayashi, p.552, pl.4, fig.12. Holotype.
- PA0848. *Asaphellus* (?) sp., p.553, pl.4, fig.13.
- PA0849. *Asaphellus* (?) sp., p.553, pl.4, fig.14.
- PA0850. *Ogyginus* aff. *O. corndensis* (Murchison), p.553, pl.4, fig.17.
- PA0851. *Megalaspis orientalis* Kobayashi, p.554, pl.6, fig.11. Paratype.
- PA0852. *Megalaspis orientalis* Kobayashi, p.554, pl.6, fig.12. Holotype.
- PA0853. *Megalaspis* (?) *biangulata* Kobayashi, p.555, pl.5, fig.12. Syntype.
- PA0854. *Megalaspis* (?) *biangulata* Kobayashi, p.555, pl.5, fig.13. Syntype.

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Kobayashi, T. (1934c): continued

- PA0855. *Megalaspis* (?) *akyrorachis* Kobayashi, p.555, pl.4, fig.16. Holotype.
- PA0856. *Megalaspis* (?) *euryrachis* Kobayashi, p.556, pl.4, fig.15. Holotype.
- PA0857. *Megalaspis* (?) *substenorachis* Kobayashi, p.556, pl.6, fig.14. Syntype.
- PA0858. *Megalaspis* (?) *substenorachis* Kobayashi, p.556, pl.6, fig.15. Syntype.
- PA0859. *Megalaspis* (?) a sp., p.556, pl.5, fig.4.
- PA0860. *Megalaspis* (?) b sp., p.557, pl.5, fig.2.
- PA0861. *Xenostegium albertensis* (Walcott), p.558, pl.5, figs.8,9.
- PA0862. *Xenostegium* (?) sp. aff. *X. albertensis* (Walcott), p.558, pl.6, fig.13.
- PA0863. *Xenostegium* (?) *laticaudum* Kobayashi, p.559, pl.5, fig.1. Paratype.
- PA0864. *Xenostegium* (?) *laticaudum* Kobayashi, p.559, pl.5, fig.6. Paratype.
- PA0865a. *Xenostegium* (?) *laticaudum* Kobayashi, p.559, pl.5, fig.7. Holotype.
- PA0865b. *Xenostegium* (?) *laticaudum* Kobayashi, p.559, pl.5, fig.14. Paratype.
- PA0866. *Xenostegium* (?) *subeuclides* Kobayashi, p.559, pl.5, fig.3. Holotype.
- PA0867. *Xenostegium* (?) *subeuclides* Kobayashi, p.559, pl.5, fig.5. Paratype.
- PA0868. *Xenostegium* (?) *paradouglassensis* Kobayashi, p.559, pl.5, figs. 10,11. Holotype.
- PA0869. *Illaenus hinomotoensis* Kobayashi, p.560, pl.3, figs.22-24. Holotype.
- PA0870. *Illaenus hinomotoensis* Kobayashi, p.560, pl.3, figs.25,26. Paratype.
- PA0871. *Illaenus hinomotoensis* Kobayashi, p.560, pl.3, fig.27. Paratype.
- PA0872. *Illaenus hinomotoensis* Kobayashi, p.560, pl.3, fig.28. Paratype.
- PA0873. *Illaenus hinomotoensis* Kobayashi, p.560, pl.3, fig.29. Paratype.
- PA0874. *Illaenus semioviformis* Kobayashi, p.561, pl.3, figs.30,31. Holotype.
- PA0875. *Dikelocephalina asiatica* Kobayashi, p.563, pl.6, fig.1. Paratype.

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Kobayashi, T. (1934c): continued

- PA0876. *Dikelokephalina asiatica* Kobayashi, p.563, pl.6, fig.2. Holotype. (missing)
- PA0877. *Dikelokephalina asiatica* Kobayashi, p.563, pl.6, fig.3. Paratype.
- PA0878. *Dikelokephalina kanaegata* Kobayashi, p.564, pl.6, fig.4. Paratype.
- PA0879. *Dikelokephalina kanaegata* Kobayashi, p.564, pl.6, fig.5. Holotype.
- PA0880. *Metopolichas* (?) *martellii* Kobayashi, p.565, pl.7, fig.1. Holotype. (missing)
- PA0881. *Irvingella* (?) *orientalis* Kobayashi, p.566, pl.8, fig.5. Syntype.
- PA0882. *Irvingella* (?) *orientalis* Kobayashi, p.566, pl.8, fig.6. Syntype.
- PA0883. *Irvingella* (?) sp., p.567, pl.8, fig.7.
- PA0884. *Chosenia laticephala* Kobayashi, p.567, pl.8, fig.8. Holotype.
- PA0885. *Chosenia laticephala* Kobayashi, p.567, pl.8, fig.9. Paratype.
- PA0886. *Chosenia laticephala* Kobayashi, p.567, pl.8, fig.10. Paratype. (missing)
- PA0887. *Chosenia laticephala* Kobayashi, p.567, pl.8, fig.11. Paratype.
- PA0888. *Protopliomerops seisonensis* Kobayashi, p.571, pl.7, fig.11b. Syntype.
- PA0889. *Protopliomerops seisonensis* Kobayashi, p.571, pl.7, fig.12. Syntype.
- PA0890a. *Protopliomerops seisonensis* Kobayashi, p.571, pl.8, fig.16. Syntype.
- PA0890b. *Protopliomerops* cfr. *seisonensis* Kobayashi, p.572, pl.8, fig.16a.
- PA0891. *Protopliomerops punctatus* Kobayashi, p.572, pl.7, fig.4. Syntype.
- PA0892. *Protopliomerops punctatus* Kobayashi, p.572, pl.7, fig.5. Syntype.
- PA0893. *Protopliomerops granulatus* Kobayashi, p.573, pl.7, fig.2. Syntype.
- PA0894. *Protopliomerops granulatus* Kobayashi, p.573, pl.7, fig.3. Syntype.
- PA0895. *Cyrtometops* (?) *pacificus* Kobayashi, p.574, pl.7, fig.6. Holotype.
- PA0896. *Koraipsis spinus* Kobayashi, p.574, pl.8, fig.1. Holotype.
- PA0897. *Seisonia sphericauda* Kobayashi, p.575, pl.7, fig.7. Syntype.
- PA0898. *Seisonia sphericauda* Kobayashi, p.575, pl.7, fig.8. Syntype.
- PA0899. *Seisonia sphericauda* Kobayashi, p.575, pl.7, fig.9. Syntype.
- PA0900. *Ribeiria* (?) *coreanica* Kobayashi, p.576, pl.4, fig.18. Holotype.

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Kobayashi, T. (1934d): Middle Cambrian fossils from Kashmir. *Amer. Jour. Sci.*, vol.27, pp.295-302, pl.1.

- PA1270.\* *Agnostus* cf. *rakuroensis* Kobayashi, p.297, pl.1, fig.1.
- PA1271.\* *Tonkinella breviceps* Kobayashi, p.300, pl.1, fig.2. Syntype.
- PA1272.\* *Tonkinella breviceps* Kobayashi, p.300, pl.1, fig.3. Syntype.
- PA1273.\* *Tonkinella breviceps* Kobayashi, p.300, pl.1, fig.4. Syntype.
- PA1274.\* *Tonkinella breviceps* Kobayashi, p.300, pl.1, fig.5. Syntype. (missing)
- PA1275.\* *Tonkinella breviceps* Kobayashi, p.300, pl.1, fig.6. Syntype.
- PA1276.\* *Anomocarella memor* (Reed), p.301, pl.1, fig.9.
- PA1277.\* *Anomocarella memor* (Reed), p.301, pl.1, fig.10. (missing)
- PA1278.\* *Anomocarella memor* (Reed), p.301, pl.1, fig.11.
- PA1279.\* *Anomocarella memor* (Reed), p.301, pl.1, fig.12.
- PA1280.\* *Anomocarella memor* (Reed), p.301, pl.1, fig.13.
- PA1281.\* *Lingulella* ? sp., p.299, pl.1, fig.7.

Only plaster casts are preserved in this Museum. The original specimens are in the Peabody Museum of Yale University, New Heaven.]

Kobayashi, T. (1935a): On the phylogeny of the primitive nautiloids, with descriptions of *Plectronoceras liaotungense*, new species and *Iddingsia* (?) *shantungensis*, new species. *Japan. Jour. Geol. Geogr.*, vol.12, nos. 1-2, pp.17-26, pl.6.

- PM0901. *Plectronoceras liaotungense* Kobayashi, p.17, pl.6, figs.1-3. Holotype.
- PA4208.\* *Iddingsia* (?) *shantungensis* Kobayashi, p.25, pl.6, fig.4. Holotype. [The original specimen is to be preserved in U. S. National Museum, Washington, D. C.]

Kobayashi, T. (1935b): Einige neue triadische Bivalven aus der Innenzone Südwest-Japans. *Japan. Jour. Geol. Geogr.*, vol.12, nos.1-2, pp.27-32, pl.7.

- MM4221. *Pseudomonotis subcycloidea* Kobayashi, p.29, pl.7, fig.1. Holotype. (missing)
- MM4222. *Edentula ozawai* Kobayashi, p.30, pl.7, fig.4. Syntype. (missing)
- MM4223. *Edentula ozawai* Kobayashi, p.30, pl.7, fig.5. Syntype. (missing)

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Kobayashi, T. (1935b): continued

- MM4224. *Edentula ozawai* Kobayashi, p.30, pl.7, fig.6. Syntype. (missing)  
 MM4225.\* *Pecten fujimotoi* Kobayashi, p.31, pl.7, fig.8, Syntype. (missing) [original specimen in Tokyo University of Education]  
 MM5032. *Pecten fujimotoi* Kobayashi, p.31, pl.7, fig.9. Syntype.  
 MM5520. *Daonella yoshimurai* Kobayashi, p.30, pl.7, fig.7. Holotype.  
 MM5521. *Edentula ozawai* Kobayashi, p.30, pl.7, fig.3. Syntype.

Kobayashi, T. (1935c): The Cambro-Ordovician formations and faunas of South Chosen. Palaeontology. Part III. Cambrian faunas of South Chosen with a special study on the Cambrian trilobite genera and families. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.4, part 2, pp.49-344, pls. 1-24.

- PE0902. Cystoid, gen. et sp. undt., p.59, pl.2, fig.17. (missing)  
 PE0903. Cystoid, gen. et sp. undt., p.59, pl.2, fig.18.  
 PE0904. Cystoid, gen. et sp. undt., p.59, pl.2, fig.24.  
 PB0905. *Obolus taianensis* Sun, p.60, pl.14, fig.22.  
 PB0906. *Obolus subcircus* Kobayashi, p.61, pl.1, fig.2. Syntype.  
 PB0907. *Obolus subcircus* Kobayashi, p.61, pl.1, fig.3. Syntype.  
 PB0908. *Obolus damesi* (Walcott), p.62, pl.14, fig.2.  
 PB0909. *Obolus* cf. *shansiensis* Walcott, p.62, pl.14, fig.2.  
 PB0910. *Obolus (Westonia)* cf. *blackwelderi* Walcott, p.62, pl.2, fig.1.  
 PB0911. *Obolus (Westonia)* cf. *blackwelderi* Walcott, p.62, pl.2, fig.2.  
 PB0912. *Obolus (Westonia)* cf. *blackwelderi* Walcott, p.62, pl.2, fig.3.  
 PB0913. *Obolus (Westonia)* a sp., p.63, pl.1, fig.1.  
 PB0914. *Obolus (Westonia)* b sp., p.63, pl.1, fig.24.  
 PB0915. *Lingulella marcia* Walcott, p.64, pl.14, fig.1.  
 PB0916. *Lingulella manchuriensis* Walcott, p.64, pl.14, fig.3.  
 PB0917. *Dicellomus parvus* Walcott, p.65, pl.2, fig.6.  
 PB0918. *Obolella* sp. aff. *Obolella asiatica* Walcott, p.65, pl.14, fig.14.  
 PB0919. *Obolella* sp. aff. *Obolella asiatica* Walcott, p.65, pl.20, fig.11.  
 PB0920. *Acrothele elliptica* Kobayashi, p.65, pl.1, fig.9. Syntype.  
 PB0921. *Acrothele elliptica* Kobayashi, p.65, pl.1, fig.10. Syntype.  
 PB0922. *Acrothele semiconica* Kobayashi, p.66, pl.3, figs.25-27. Holotype. (missing)

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Kobayashi, T. (1935c): continued

- PB0923. *Acrotreta venia* Walcott, p.66, pl.2, figs.4,5. (missing)
- PB0924. *Nisusia cooperi* Kobayashi, p.67, pl.2, fig.15. Syntype.
- PB0925. *Nisusia cooperi* Kobayashi, p.67, pl.2, fig.16. Syntype.
- PB0926. *Billingsella pumpellyi* Walcott, p.68, pl.1, fig.11.
- PB0927. *Billingsella pumpellyi* Walcott, p.68, pl.1, fig.12.
- PB0928. *Billingsella pumpellyi* Walcott, p.68, pl.1, fig.13.
- PB0929. *Billingsella pumpellyi* Walcott, p.68, pl.2, figs.10,11. (missing)
- PB0930. *Billingsella pumpellyi* Walcott, p.68, pl.2, fig.12.
- PB0931. *Billingsella pumpellyi* Walcott, p.68, pl.2, fig.13.
- PB0932. *Billingsella pumpellyi* Walcott, p.68, pl.2, fig.14.
- PB0933. *Eoorthis shakuotunensis* Sun, p.69, pl.1, figs.4-6.
- PB0935. *Eoorthis shakuotunensis* Sun, p.69, pl.1, figs.7,8.
- PB0936. *Eoorthis shakuotunensis* Sun, p.69, pl.1, figs.22,23.
- PB0937. *Shiragia biloba* Kobayashi, p.70, pl.1, figs.14,15. Syntype.
- PB0938. *Shiragia biloba* Kobayashi, p.70, pl.1, figs.16,17. Syntype.
- PB0939. *Shiragia biloba* Kobayashi, p.70, pl.1, fig.18. Syntype.
- PB0940. *Shiragia biloba* Kobayashi, p.70, pl.1, figs.19,21. Syntype.
- PB0941. *Shiragia biloba* Kobayashi, p.70, pl.1, fig.20. Syntype.
- PM0942. *Pelagiella hana* Kobayashi, p.72, pl.3, figs.15,16. Holotype.
- PM0943. *Pelagiella hana* Kobayashi, p.72, pl.3, figs.17,18. Paratype.
- PM0944. *Pelagiella* (?) *reversa* Kobayashi, p.72, pl.11, figs.4-6. Holotype.
- PM0945. *Hyolithes subcarinatus* Kobayashi, p.73, pl.3, figs.19,20. Syntype.
- PM0946. *Hyolithes subcarinatus* Kobayashi, p.73, pl.3, fig.21. Syntype. (missing)
- PM0947. *Hyolithes subcarinatus* Kobayashi, p.73, pl.3, fig.22. Syntype. (missing)
- PM0948. *Hyolithes* a sp., p.73, pl.2, fig.8.
- PM0949. *Hyolithes* a sp., p.73, pl.2, fig.9.
- PM0950. *Hyolithes* b sp., p.74, pl.2, fig.7.
- PM0951. *Salterella* (?) *orientalis* Kobayashi, p.74, pl.20, fig.12. Holotype.
- PA0952a. *Agnostus rakuroensis* Kobayashi, p.103, pl.14, fig.17. Paratype. (missing)

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Kobayashi, T. (1935c): continued

- PA0952b. *Agnostus rakuroensis* Kobayashi, p.103, pl.14, fig.18. Paratype.
- PA0953. *Agnostus rakuroensis* Kobayashi, p.103, pl.21, fig.1. Paratype.
- PA0954. *Agnostus rakuroensis* Kobayashi, p.103, pl.21, fig.2: Holotype.
- PA0955. *Agnostus coreanicus* Kobayashi, p.104, pl.14, fig.4. Holotype.
- PA0956. *Agnostus coreanicus* Kobayashi, p.104, pl.14, fig.5. Paratype.  
(missing)
- PA0957. *Agnostus (Ptychagnostus ?) orientalis* Kobayashi, p.105, pl.14, figs.11,12. Holotype.
- PA0958. *Agnostus (Lejopyge ?) obsoletus* Kobayashi, p.106, pl.14, fig.19. Holotype.
- PA0959. *Agnostus hoiformis* Kobayashi, p.106, pl.3, figs.1,2.
- PA0960. *Agnostus hoiformis* Kobayashi, p.106, pl.3, figs.3,4.
- PA0961. *Agnostus hoiformis* Kobayashi, p.106, pl.3, figs.5,6.
- PA0962. *Pseudagnostus primus* Kobayashi, p.108, pl.14, fig.6. Holotype.
- PA0963. *Pseudagnostus primus* Kobayashi, p.108, pl.14, fig.7. Paratype.
- PA0964. *Pseudagnostus primus* Kobayashi, p.108, pl.14, fig.8. Paratype.  
(missing)
- PA0965. *Pseudagnostus primus* Kobayashi, p.108, pl.14, fig.9. Paratype.
- PA0966. *Pseudagnostus primus* Kobayashi, p.108, pl.14, fig.10. Paratype.
- PA0967. *Pseudagnostus douvillei* (Bergeron), p.109, pl.13, fig.1.
- PA0968a. *Pseudagnostus douvillei* (Bergeron), p.109, pl.13, fig.9.
- PA0968b. *Liostracina krausei* Monke, p.254, pl.13, fig.9.
- PA0969. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.7.
- PA0970. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.8. (missing)
- PA0971. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.9.
- PA0972. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.10.
- PA0973. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.11.
- PA0974. *Pseudagnostus orientalis* Kobayashi, p.110, pl.3, fig.23.
- PA0975. *Pseudagnostus cyclopygeformis* (Sun), p.111, pl.3, fig.12. (missing)
- PA0976. *Pseudagnostus cyclopygeformis* (Sun), p.111, pl.3, fig.13.
- PA0977. *Pseudagnostus cyclopygeformis* (Sun), p.111, pl.3, fig.14.
- PA0978. *Eodiscus* (?) sp., p.113, pl.13, fig.8.
- PA0979. *Redlichia longispinosa* Kobayashi, p.121, pl.21, fig.3. Holotype.
- PA0980. *Redlichia longispinosa* Kobayashi, p.121, pl.21, fig.4. Paratype.

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Kobayashi, T. (1935c): continued

- PA0981. *Redlichia longispinosa* Kobayashi, p.121, pl.21, fig.5. Paratype.  
 PA0982. *Fuchouia manchuriensis* (Walcott), p.136, pl.22, fig.11.  
 PA0983. *Amphoton deois* (Walcott), p.138, pl.22, fig.12.  
 PA0984. *Komaspis typa* Kobayashi, p.141, pl.16, figs.4,5.  
 PA0985. *Komaspis* (?) *convexa* Kobayashi, p.142, pl.16, fig.3. Holotype.  
 PA0986.\* *Tonkinella stephensis* Kobayashi, p.149, pl.15, fig.2. Syntype.  
 PA0987.\* *Tonkinella stephensis* Kobayashi, p.149, pl.15, fig.3. Syntype.  
 PA0988.\* *Tonkinella stephensis* Kobayashi, p.149, pl.15, fig.4. Syntype.  
 PA0989.\* *Tonkinella stephensis* Kobayashi, p.149, pl.15, fig.5. Syntype.  
 PA0990. *Tonkinella breviceps* Kobayashi, p.150, pl.15, fig.6. Syntype.  
 (missing)  
 PA0991. *Tonkinella breviceps* Kobayashi, p.150, pl.15, fig.8. Syntype.  
 PA0992. *Tonkinella breviceps* Kobayashi, p.150, pl.15, fig.9. Syntype.  
 PA0993. *Tonkinella orientalis* Kobayashi, p.151, pl.15, fig.7. Holotype.  
 PA0994. *Olenoides asiaticus* Kobayashi, p.154, pl.14, fig.23. Syntype.  
 (missing)  
 PA0995. *Olenoides asiaticus* Kobayashi, p.154, pl.15, fig.10. Syntype.  
 PA0996. *Olenoides asiaticus* Kobayashi, p.154, pl.15, fig.11. Syntype.  
 PA0997. *Olenoides asiaticus* Kobayashi, p.154, pl.15, fig.12. Syntype.  
 PA0998. *Olenoides* cf. *asiaticus* Kobayashi, p.154, pl.15, fig.13.  
 PA0999. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.14. Syntype.  
 PA1000. *Kootenia punctata* Kobayashi, p.157, pl.15, figs.15,16. Syntype.  
 PA1001. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.17. Syntype.  
 PA1002. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.18. Syntype.  
 (missing)  
 PA1003. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.19. Syntype.  
 PA1004. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.20. Syntype.  
 PA1005. *Kootenia punctata* Kobayashi, p.157, pl.15, fig.21. Syntype.  
 PA1006. *Kootenia damesi* Kobayashi, p.158, pl.18, fig.11. Syntype.  
 PA1007. *Kootenia damesi* Kobayashi, p.158, pl.18, figs.12,13. Syntype.  
 PA1008. *Kootenia asiatica* Kobayashi, p.158, pl.22, fig.5. Holotype.  
 (missing)  
 PA1009a. *Kootenia asiatica* Kobayashi, p.158, pl.22, fig.6 [upper]. Paratype. (missing)  
 PA1009b. *Kootenia asiatica* Kobayashi, p.158, pl.22, fig.6 [lower], Para-



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Kobayashi, T. (1935c): continued

type. (missing)

- PA1010. *Dorypyge manchuriensis* Resser and Endo, p.160, pl.22, fig.9.
- PA1011. *Dorypyge manchuriensis* Resser and Endo, p.160, pl.22, fig.10.
- PA1012. *Pagodia shumardoides* Kobayashi, p.162, pl.5, fig.10. Holotype.
- PA1013. *Stephanocare richthofeni* Monke, p.167, pl.13, fig.4.
- PA1014. *Stephanocare richthofeni* Monke, p.167, pl.13, fig.5.
- PA1015. *Stephanocare richthofeni* Monke, p.167, pl.13, figs.6,7.
- PA1016. *Stephanocare* (?) *quinquspina* Kobayashi, p.167, pl.12, fig.14. Holotype.
- PA1017. *Stephanocare bergeroni* Kobayashi, p.167, pl.11, fig.9. Holotype.
- PA1018. *Damesella octaspina* Kobayashi, p.170, pl.11, fig.1. Paratype.
- PA1019. *Damesella octaspina* Kobayashi, p.170, pl.11, fig.2. Paratype.
- PA1020. *Damesella octaspina* Kobayashi, p.170, pl.11, fig.3. Holotype.
- PA1021. *Damesella octaspina* Kobayashi, p.170, pl.12, fig.17. Paratype.
- PA1022. *Blackwelderia sinensis* (Bergeron), p.171, pl.11, fig.10.
- PA1023. *Blackwelderia sinensis* (Bergeron), p.171, pl.11, fig.11.
- PA1024. *Blackwelderia sinensis* (Bergeron), p.171, pl.12, fig.10.
- PA1025. *Blackwelderia sinensis* (Bergeron), p.171, pl.12, fig.11. (missing).
- PA1026. *Blackwelderia sinensis* (Bergeron), p.171, pl.12, fig.9.
- PA1027. *Blackwelderia* cf. *sinensis* (Bergeron), p.172, pl.12, fig.9.
- PA1028. *Blackwelderia paronai* (Airaghi), p.172, pl.12, fig.13.
- PA1029. *Blackwelderia* cf. *alastor* (Walcott), p.172, pl.12, fig.8.
- PA1030. *Drepanura premesnili* Bergeron, p.174, pl.11, fig.7.
- PA1031. *Drepanura premesnili* Bergeron, p.174, pl.11, fig.8. (missing)
- PA1032. *Drepanura premesnili* Bergeron, p.174, pl.12, fig.7.
- PA1033. *Drepanura ketteleri* Monke, p.174, pl.12, fig.15.
- PA1034. *Drepanura ketteleri* Monke, p.174, pl.12, fig.16.
- PA1035. *Kaolishania granulata* Kobayashi, p.175, pl.8, fig.9.
- PA1036. *Kaolishania granulata* Kobayashi, p.175, pl.8, fig.10.
- PA1037. *Kaolishania granulata* Kobayashi, p.175, pl.8, fig.11. (missing)
- PA1038. *Kaolishania granulata* Kobayashi, p.175, pl.9, fig.14.
- PA1039. *Kaolishania granulata* Kobayashi, p.175, pl.9, fig.15.
- PA1040. *Kaolishania obsolata* Kobayashi, p.177, pl.9, fig.17. (missing)

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Kobayashi, T. (1935c): continued

- PA1041. *Kaolishania obsolata* Kobayashi, p.177, pl.9, fig.18.
- PA1042. *Kaolishania* cf. *obsolata* Kobayashi, p.177, pl.9, fig.16.
- PA1043. *Kaolishania orientalis* (Grabau), p.178, pl.8, fig.12.
- PA1044. *Kaolishania* sp., p.178, pl.9, fig.13.
- PA1045. *Kaolishania* (?) sp., p.179, pl.8, fig.13.
- PA1046. *Mimana eurycephala* Kobayashi, p.179, pl.8, fig.7. Holotype.
- PA1047. *Mimana* (?) sp., p.180, pl.5, fig.12.
- PA1048. *Eochuangia hana* Kobayashi, p.183, pl.16, fig.10. Syntype.
- PA1049. *Eochuangia hana* Kobayashi, p.183, pl.16, fig.11. Syntype.
- PA1050. *Eochuangia hana* Kobayashi, p.183, pl.16, fig.12. Syntype.
- PA1051. *Eochuangia hana* Kobayashi, p.183, pl.16, fig.13. Syntype.
- PA1052. *Eochuangia hana* Kobayashi, p.183, pl.16, figs.14,15. Syntype.
- PA1053. *Eochuangia hana* Kobayashi, p.183, pl.16, figs.16,17. Syntype.
- PA1054. *Eochuangia hana* var. *conica* Kobayashi, p.184, pl.16, fig.7. Syntype.
- PA1055. *Eochuangia hana* var. *conica* Kobayashi, p.184, pl.16, fig.8. Syntype.
- PA1056. *Eochuangia hana* var. *conica* Kobayashi, p.184, pl.16, fig.9. Syntype.
- PA1057. *Prochuangia mansuyi* Kobayashi, p.186, pl.8, fig.8. Syntype. (missing)
- PA1058. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, fig.1. Syntype.
- PA1059. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, fig.2. Syntype.
- PA1060. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, fig.3. Syntype.
- PA1061. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, figs.4,5. Syntype.
- PA1062. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, fig.6. Syntype.
- PA1063. *Prochuangia mansuyi* Kobayashi, p.186, pl.10, fig.7. Syntype.
- PA1064. *Prochuangia posterospina* Kobayashi, p.187, pl.10, fig.8. Holotype.
- PA1065. *Prochuangia angusta* Kobayashi, p.188, pl.9, fig.12. Holotype.
- PA1066. *Chuangia nitida* Walcott, p.189, pl.10, fig.17. (missing)
- PA1067. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, figs.10,11. Holotype.
- PA1068. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, fig.12. Paratype.
- PA1069. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, fig.13. Paratype.
- PA1070. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, fig.14. Paratype.

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- PA1071. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, fig.15. Paratype.
- PA1072. *Chuangia taihakuensis* Kobayashi, p.189, pl.10, fig.16. Paratype.  
(missing)
- PA1073. *Chuangia* aff. *batia* (Walcott), p.190, pl.9, fig.8.
- PA1074. *Chuangia* aff. *batia* (Walcott), p.190, pl.9, fig.9.
- PA1075. *Chuangia* aff. *batia* (Walcott), p.190, pl.9, fig.10.
- PA1076. *Chuangia* aff. *batia* (Walcott), p.190, pl.9, fig.11.
- PA1077. *Chuangia* aff. *batia* (Walcott), p.190, pl.10, fig.9. (missing)
- PA1078. *Chuangiella elongata* Kobayashi, p.191, pl.10, fig.18. Holotype.
- PA1079. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.5. Syntype.
- PA1080. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.6. Syntype.
- PA1081. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.7. Syntype.
- PA1082. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.8. Syntype.
- PA1083. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.9. Syntype.
- PA1084. *Megagraulos coreanicus* Kobayashi, p.207, pl.18, fig.10. Syntype.
- PA1085. *Megagraulos coreanicus* Kobayashi, p.207, pl.23, fig.15. Syntype.
- PA1086.\* *Lorenzella tatei* (Woodward), p.209, pl.24, fig.17.
- PA1087. *Lorenzella quadrata* Kobayashi, p.210, pl.12, figs.2,3. Holotype.
- PA1088. *Lorenzella quadrata* Kobayashi, p.210, pl.12, fig.4. Paratype.  
(missing)
- PA1089. *Lorenzella quadrata* Kobayashi, p.210, pl.12, fig.5. Paratype.
- PA1090. *Lorenzella quadrata* Kobayashi, p.210, pl.13, figs.2,3. Paratype.
- PA1091. *Conocoryphe lantenoisi* Mansuy, p.218, pl.23, fig.13.
- PA1092. *Conocoryphe lantenoisi* Mansuy, p.218, pl.23, fig.14.
- PA1093. *Ptychoparia kochibei* Walcott, p.225, pl.24, fig.24.
- PA1094. *Ptychoparia* (?) *coreanica* Kobayashi, p.226, pl.23, fig.3. Paratype. (missing)
- PA1095. *Ptychoparia* (?) *coreanica* Kobayashi, p.226, pl.23, fig.4. Holotype.
- PA1096. *Elrathia taikiensis* Kobayashi, p.226, pl.18, fig.2. Syntype.  
(missing)
- PA1097. *Elrathia taikiensis* Kobayashi, p.226, pl.18, fig.3. Syntype.  
(missing)
- PA1098. *Elrathia taikiensis* Kobayashi, p.226, pl.18, fig.4. Syntype.  
(missing)
- PA1099. *Elrathia kikkawai* Kobayashi, p.227, pl.23, fig.2. Holotype.

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- PA1100. *Elrathia chuwaensis* Kobayashi, p.227, pl.23, fig.1. Holotype. (missing)
- PA1101. *Mapania beihoensis* Kobayashi, p.229, pl.20, fig.8. Syntype.
- PA1102. *Mapania beihoensis* Kobayashi, p.229, pl.20, fig.9. Syntype.
- PA1103. *Mapania beihoensis* Kobayashi, p.229, pl.20, fig.10. Syntype.
- PA1104. *Coosia coreanica* Kobayashi, p.231, pl.19, figs.11,12. Holotype.
- PA1105. *Lioparia expansus* Kobayashi, p.240, pl.19, fig.13. Holotype.
- PA1106. *Lioparia* (?) *longifrons* Kobayashi, p.241, pl.17, fig.15. Holotype.
- PA1107. *Eymekops hermius* (Walcott), p.242, pl.19, fig.14.
- PA1108. *Eymekops hermius* (Walcott), p.242, pl.19, fig.15.
- PA1109. *Haniwoides longus* Kobayashi, p.243, pl.17, fig.2. Paratype.
- PA1110. *Haniwoides longus* Kobayashi, p.243, pl.17, fig.3. Holotype.
- PA1111. *Haniwoides concavus* Kobayashi, p.243, pl.17, fig.1. Syntype.
- PA1112. *Haniwoides concavus* Kobayashi, p.243, pl.17, fig.16. Syntype.
- PA1113. *Haniwoides concavus* Kobayashi, p.243, pl.17, fig.17. Syntype.
- PA1114. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.1.
- PA1115. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.2.
- PA1116. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.5.
- PA1117. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.6.
- PA1118. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.19.
- PA1119. *Haniwa quadrata* Kobayashi, p.244, pl.7, fig.20.
- PA1120. *Haniwa convexa* Kobayashi, p.245, pl.7, fig.3. Holotype. (missing)
- PA1121a. *Haniwa conica* Kobayashi, p.245, pl.7, fig.4. Holotype.
- PA1121b. *Saukia* sp., p.315, pl.6, fig.20.
- PA1122. *Haniwa oblongata* Kobayashi, p.246, pl.7, fig.14. Syntype.
- PA1123. *Haniwa oblongata* Kobayashi, p.246, pl.8, fig.14. Syntype.
- PA1124. *Haniwa* sp., p.246, pl.7, figs.21,22.
- PA1125. *Haniwa* (?) sp., p.247, pl.4, fig.3.
- PA1126. *Haniwa* (?) sp., p.247, pl.4, fig.4.
- PA1127. *Yokusenia vulgaris* Kobayashi, p.247, pl.9, figs.1,2. Syntype.
- PA1128. *Yokusenia vulgaris* Kobayashi, p.247, pl.9, fig.3. Syntype.
- PA1129. *Yokusenia vulgaris* Kobayashi, p.247, pl.9, fig.4. Syntype.

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Kobayashi, T. (1935c): continued

- PA1130. *Yokusenina vulgaris* Kobayashi, p.247, pl.9, fig.5. Syntype.  
(missing)
- PA1131. *Yokusenina vulgaris* Kobayashi, p.247, pl.9, figs.6,7. Syntype.  
(missing)
- PA1132. *Yokusenina obsoleta* Kobayashi, p.248, pl.5, figs.18,19. Holotype.
- PA1133. *Kokuria typa* Kobayashi, p.249, pl.5, fig.17. Holotype.
- PA1134. *Liostracina krausei* Monke, p.254, pl.12, fig.6.
- PA1135.\* *Solenopleura australis* (Woodward), p.265, pl.24, fig.18. (missing)
- PA1136.\* *Solenopleura australis* (Woodward), p.265, pl.24, fig.19.
- PA1137. *Solenoparia agno* (Walcott), p.265, pl.19, fig.2.
- PA1138. *Solenoparia agno* (Walcott), p.265, pl.19, figs.7,8.
- PA1139. *Solenoparia beroe* (Walcott), p.265, pl.19, fig.1.
- PA1140. *Solenoparia* (?) *deprati* Kobayashi, p.266, pl.19, fig.3. Syntype.
- PA1141. *Solenoparia* (?) *deprati* Kobayashi, p.266, pl.19, fig.4. Syntype.
- PA1142. *Solenoparia* (?) *deprati* Kobayashi, p.266, pl.19, fig.5. Syntype.
- PA1143. *Solenoparia* (?) *deprati* Kobayashi, p.266, pl.19, fig.6. Syntype.
- PA1144. *Solenoparia* (?) sp., p.267, pl.19, fig.9.
- PA1145. *Kogenium rotundum* Kobayashi, p.274, pl.17, fig.6. Syntype.
- PA1146. *Kogenium rotundum* Kobayashi, p.274, pl.17, fig.7. Syntype.
- PA1147. *Kogenium rotundum* Kobayashi, p.274, pl.17, fig.8. Syntype.
- PA1148. *Kogenium rotundum* Kobayashi, p.274, pl.17, fig.9. Syntype.
- PA1149. *Kogenium triangulare* Kobayashi, p.275, pl.17, fig.4. Syntype.
- PA1150. *Kogenium triangulare* Kobayashi, p.275, pl.17, fig.5. Syntype.
- PA1151. *Crepicephalina sinuosa* Kobayashi, p.280, pl.23, fig.6. Holotype.  
(missing)
- PA1152. *Crepicephalus airaghii* Kobayashi, p.280, pl.16, fig.1. Syntype.
- PA1153. *Crepicephalus airaghii* Kobayashi, p.280, pl.16, fig.2. Syntype.
- PA1154. *Crepicephalus subquadratus* Kobayashi, p.281, pl.16, fig.6. Holotype.
- PA1155. *Koptura biloba* Kobayashi, p.281, pl.19, fig.10. Holotype.
- PA1156. *Maladioides coreanicus* Kobayashi, p.283, pl.8, fig.5. Syntype.
- PA1157. *Maladioides coreanicus* Kobayashi, p.283, pl.8, fig.6. Syntype.
- PA1158. *Asaphiscus monkei* Kobayashi, p.293, pl.8, fig.1. Syntype.
- PA1159. *Asaphiscus monkei* Kobayashi, p.293, pl.8, fig.2. Syntype.

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- PA1160. *Asaphiscus monkei* Kobayashi, p.293, pl.8, fig.3. Syntype.
- PA1161. *Asaphiscus monkei* Kobayashi, p.293, pl.8, fig.4. Syntype.
- PA1162. *Asaphiscus* (?) sp., p.293, pl.20, fig.6.
- PA1163. *Asaphiscus* (?) sp., p.293, pl.20, fig.7.
- PA1164. *Anomocarella resseri* Kobayashi, p.296, pl.19, fig.16. Paratype.
- PA1165. *Anomocarella resseri* Kobayashi, p.296, pl.19, fig.17. Holotype.
- PA1166. *Anomocarella brevifrons* Kobayashi, p.297, pl.17, fig.10. Syntype.
- PA1167. *Anomocarella brevifrons* Kobayashi, p.297, pl.17, fig.11. Syntype.
- PA1168. *Anomocarella brevifrons* Kobayashi, p.297, pl.17, fig.12. Syntype.
- PA1169. *Anomocarella brevifrons* Kobayashi, p.297, pl.17, fig.13. Syntype.
- PA1170. *Anomocarella* cf. *temenus* (Walcott), p.297, pl.17, fig.14.
- PA1171. *Anomocarella* cf. *temenus* (Walcott), p.297, pl.17, fig.18. (missing)
- PA1172. *Anomocarella* cf. *temenus* (Walcott), p.297, pl.17, fig.19.
- PA1173. *Manchuriella convexa* Kobayashi, p.298, pl.14, fig.13. Syntype.
- PA1174. *Manchuriella convexa* Kobayashi, p.298, pl.20, fig.1. Syntype.
- PA1175. *Manchuriella convexa* Kobayashi, p.298, pl.20, fig.2. Syntype.
- PA1176. *Manchuriella convexa* Kobayashi, p.298, pl.20, fig.3. Syntype.
- PA1177. *Manchuriella convexa* Kobayashi, p.298. pl.20, fig.4. Syntype.
- PA1178. *Manchuriella* cf. *convexa* Kobayashi, p.299, pl.17, fig.20.
- PA1179. *Manchuriella* cf. *tatian* (Walcott), p.299, pl.19, fig.18.
- PA1180. *Manchuriella* (*Blainia* ?) *minaformis* Kobayashi, p.300, pl.14, fig.16. Syntype.
- PA1181. *Manchuriella* (*Blainia* ?) *minaformis* Kobayashi, p.300, pl.20, fig.5. Syntype.
- PA1182. *Mansuyia maladiformis* Kobayashi, p.302, pl.4, fig.1. Holotype.
- PA1183. *Mansuyia maladiformis* Kobayashi, p.302, pl.4, fig.2. Paratype. (missing)
- PA1184. *Tsinania canens* (Walcott), p.306, pl.5, fig.20.
- PA1185. *Tsinania canens* (Walcott), p.306, pl.6, fig.13.
- PA1186. *Tsinania canens* (Walcott), p.306, pl.6, fig.14.
- PA1187. *Dictya trigonalis* Kobayashi, p.306, pl.6, fig.9.
- PA1188. *Dictya trigonalis* Kobayashi, p.306, pl.6, fig.10. (missing)
- PA1189. *Dictya trigonalis* Kobayashi, p.306, pl.6, fig.11.
- PA1190. *Dictya trigonalis* Kobayashi, p.306, pl.6, fig.12.

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Kobayashi, T. (1935c): continued

- PA1191. *Dictya depressa* Kobayashi, p.307, pl.6, figs.16,17. Syntype.
- PA1192. *Dictya depressa* Kobayashi, p.307, pl.6, fig.18. Syntype.
- PA1193. *Dictya depressa* Kobayashi, p.307, pl.6, fig.19. Syntype.
- PA1194. *Dictya longicauda* Kobayashi, p.307, pl.6, fig.15. Holotype.
- PA1195. *Coreanocephalus kogenensis* Kobayashi, p.313, pl.4, fig.15. Paratype.
- PA1196. *Coreanocephalus kogenensis* Kobayashi, p.313, pl.4, fig.16. Holotype.
- PA1197. *Coreanocephalus cylindricus* Kobayashi, p.313, pl.5, fig.21. Syntype.
- PA1198. *Coreanocephalus cylindricus* Kobayashi, p.313, pl.5, fig.22. Syntype.
- PA1199. *Coreanocephalus* (?) *tenuisulcata* Kobayashi, p.314, pl.4, fig.6. Holotype. [error of *tenuisulcatus*]
- PA1200. *Coreanocephalus* (?) *tenuisulcata* Kobayashi, p.314, pl.4, fig.7. Paratype. [error of *tenuisulcatus*]
- PA1201. *Coreanocephalus* (?) *tenuisulcata* Kobayashi, p.314, pl.4, fig.8. Paratype. [error of *tenuisulcatus*]
- PA1202. *Prosaukia* (?) sp., p.314, pl.4, fig.18.
- PA1203. *Calvinella walcotti* (Mansuy), p.315, pl.4, fig.11.
- PA1204. *Calvinella walcotti* (Mansuy), p.315, pl.5, fig.14.
- PA1205. *Calvinella walcotti* (Mansuy), p.315, pl.5, fig.15.
- PA1206. *Calvinella walcotti* (Mansuy), p.315, pl.15, fig.16. (missing)
- PA1207. *Calvinella* sp., p.316, pl.5, fig.11. (missing)
- PA1208. *Calvinella* (?) sp., p.316, pl.4, fig.17.
- PA1209. *Tellerina coreanica* Kobayashi, p.316, pl.4, fig.5. Paratype. (missing)
- PA1210. *Tellerina coreanica* Kobayashi, p.316, pl.4, fig.12. Holotype.
- PA1211. *Tellerina coreanica* Kobayashi, p.316, pl.4, fig.13. Paratype.
- PA1212. *Tellerina coreanica* Kobayashi, p.316, pl.4, fig.14. Paratype.
- PA1213. *Tellerina* (?) *obsoleta* Kobayashi, p.317, pl.4, fig.9. Holotype.
- PA1214. *Tellerina* (?) *obsoleta* Kobayashi, p.317, pl.4, fig.10. Paratype.
- PA1215. *Asioptychaspis* cf. *subglobosa* (Grabau), p.318, pl.5, fig.13.
- PA1216. *Changia chosensis* Kobayashi, p.319, pl.5, fig.1. Holotype.
- PA1217. *Changia chosensis* Kobayashi, p.319. pl.5, fig.2. Paratype. (missing)

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- PA1218. *Quadraticephalus teres* Resser and Endo, p.319, pl.5, fig.3.  
 PA1219. *Quadraticephalus teres* Resser and Endo, p.319, pl.5, fig.4.  
 PA1220. *Quadraticephalus teres* Resser and Endo, p.319, pl.5, fig.5.  
 PA1221. *Quadraticephalus teres* Resser and Endo, p.319, pl.5, fig.6.  
 PA1222. *Quadraticephalus teres* Resser and Endo, p.319, pl.5, fig.7.  
 PA1223. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, fig.1.  
 PA1224. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, fig.2.  
 PA1225. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, fig.3.  
 PA1226. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, figs.4,5.  
 PA1227. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, fig.6.  
 PA1228. *Quadraticephalus manchuricus* Kobayashi, p.320, pl.6, fig.7.  
 PA1229. *Quadraticephalus quadratus* Kobayashi, p.320, pl.6, fig.8. Holotype.  
 PA1230. *Quadraticephalus elongatus* Kobayashi, p.320, pl.5, fig.8. Holotype.  
 PA1231. *Quadraticephalus elongatus* Kobayashi, p.320, pl.5, fig.9. Paratype.  
 PA1232. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.7. Paratype. (missing)  
 PA1233. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.8. Paratype.  
 PA1234. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.9. Paratype.  
 PA1235. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.10. Holotype. (missing)  
 PA1236. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.11. Paratype.  
 PA1237. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.12. Paratype.  
 PA1238. *Shirakiella elongata* Kobayashi, p.322, pl.7, fig.13. Paratype.  
 PA1239. *Shirakiella laticconvexa* Kobayashi, p.323, pl.7, fig.15. Paratype.  
 PA1240. *Shirakiella laticconvexa* Kobayashi, p.323, pl.7, fig.16. Holotype.  
 PA1241. *Shirakiella laticconvexa* Kobayashi, p.323, pl.7, fig.17. Paratype.  
 PA1242. *Shirakiella laticconvexa* Kobayashi, p.323, pl.7, fig.18. Paratype.  
 PA1243. Free cheek, gen. et sp. undt., p.325, pl.12, fig.1.  
 PA1244. *Myona flabelliformis* Kobayashi, p.325, pl.14, fig.20. Syntype.  
 PA1245. *Myona flabelliformis* Kobayashi, p.325, pl.14, fig.21. Syntype.  
 PA4168.\* *Aojia spinosa* Resser and Endo, p.89, pl.24, fig.3. (missing)  
 PA4169.\* *Aojia spinosa* Resser and Endo, p.89, pl.24, fig.4. (missing)



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Kobayashi, T. (1935c): continued

- PA4170.\* *Eilura typa* Resser and Endo, p.89, pl.24, fig.13.
- PA4171.\* *Hsiaiella striata* Resser and Endo, p.89, pl.24, fig.12.
- PA4172.\* *Inouyella peiensis* Resser and Endo, p.89, pl.24, fig.1. (missing)
- PA4173.\* *Liaotungia puteata* Resser and Endo, p.89, pl.24, fig.15. (missing)
- PA4174.\* *Peishania convexa* Resser and Endo, p.90, pl.24, fig.5.
- PA4175.\* *Peishania convexa* Resser and Endo, p.90, pl.24, fig.6.
- PA4176.\* *Proasaphiscus yabei* Resser and Endo, p.90, pl.24, fig.16.
- PA4177.\* *Psilaspis manchuriensis* Resser and Endo, p.90, pl.24, fig.9.
- PA4178.\* *Psilaspis manchuriensis* Resser and Endo, p.90, pl.24, fig.10.
- PA4179.\* *Psilaspis manchuriensis* Resser and Endo, p.90, pl.24, fig.11.
- PA4180.\* *Taitzuia insueta* Resser and Endo, p.90, pl.24, fig.2. (missing)
- PA4181.\* *Temnura granosa* Resser and Endo, p.90, pl.24, fig.14. (missing)
- PA4182.\* *Yabeia laevigata* Resser and Endo, p.90, pl.24, fig.7. (missing)
- PA4183.\* *Yabeia laevigata* Resser and Endo, p.90, pl.24, fig.8. (missing)
- PA4184.\* *Pseudolisania breviloba* (Walcott), p.94, pl.22, fig.4.
- PA4185.\* *Redlichia murakamii* Resser and Endo, p.119, pl.21, fig.9. (missing)
- PA4186.\* *Redlichia* sp., p.119, pl.21, fig.8. (missing)
- PA4187.\* *Redlichia manchuriensis* Resser and Endo, p.120, pl.21, fig.6. (missing)
- PA4188.\* *Redlichia manchuriensis* Resser and Endo, p.120, pl.21, fig.7. (missing)
- PA4189.\* *Dinesus ida* Etheridge, p.134, pl.22, fig.3.
- PA4191.\* *Oryctocephalus primus* (Walcott), p.145, pl.15, fig.1. (missing)
- PA4192.\* *Cheiruroides orientalis* (Resser and Endo), p.163, pl.22, fig.1. (missing)
- PA4193.\* *Cheiruroides orientalis* (Resser and Endo), p.163, pl.22, fig.2. (missing)
- PA4194.\* *Cheilocephalus st.-croixensis* Berkey, p.180, pl.24, fig.20.
- PA4195.\* *Illaeonurus calvinia* Walter, p.193, pl.22, fig.8. (missing)
- PA4196.\* *Ellipsocephaloides* cf. *curtus* (Whitfield), p.196, pl.23, fig.11. (missing)
- PA4197.\* *Ellipsocephaloides* cf. *curtus* (Whitfield), p.196, pl.23, fig.12. (missing)
- PA4198.\* *Kingaspis campelli* (King), p.196, pl.23, fig.9.

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Kobayashi, T. (1935c): continued

- PA4199.\* *Kingaspis campelli* (King), p.196, pl.23, fig.10.
- PA4200.\* *Camaraspis* cf. *convexus* (Whitfield), p.203, pl.23, fig.7.(missing)
- PA4201.\* *Camaraspis* cf. *convexus* (Whitfield), p.203, pl.23, fig.8.(missing)
- PA4202.\* *Changshania bronus* (Walcott), p.225, pl.23, fig.16.
- PA4204.\* *Giordanella meneghini* (Borneman), p.305, pl.24, fig.21. (missing)
- PA4205.\* *Giordanella meneghini* (Borneman), p.305, pl.24, fig.22.
- PA4206.\* *Giordanella meneghini* (Borneman), p.305, pl.24, fig.23. (missing)

Only plaster casts are preserved in this museum for the specimens with an asterisk. The original specimens or casts are in U. S. National Museum.

Kobayashi, T. (1935d): The Briscoia fauna of the late Upper Cambrian in Alaska with descriptions of a few Upper Cambrian trilobites from Montana and Nevada. *Japan. Jour. Geol. Geogr.*, vol.12, nos.3-4, pp.39-57, pls. 8-10.

- PA1302.\* *Pseudagnostus* (*Plethagnostus*) *clarki* Kobayashi, p.47, pl.9, fig. 1. Holotype.
- PA1303.\* *Pseudagnostus* (*Plethagnostus*) *clarki* Kobayashi, p.47, pl.9, fig. 2. Paratype.
- PA1304.\* *Chuangiella intermedia* Kobayashi, p.47, pl.9, fig.3. Holotype.
- PA1305.\* *Illaeonurus montanensis* Kobayashi, p.48, pl.10, fig.1. Holotype.
- PA1306.\* *Illaeonurus montanensis* Kobayashi, p.48, pl.10, fig.2. Paratype. (missing)
- PA1307.\* *Illaeonurus montanensis* Kobayashi, p.48, pl.10, fig.3. Paratype.
- PA1308.\* *Tatonaspis alaskensis* Kobayashi, p.48, pl.9, figs.5-7. Holotype.
- PA1309.\* *Leiocoryphe platycephala* Kobayashi, p.49, pl.8, fig.2. Holotype.
- PA1310.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.10. Paratype.
- PA1311.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.11. Paratype.
- PA1312.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.12. Paratype.
- PA1313.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.13. Paratype.
- PA1314.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.14. Paratype.
- PA1315.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.15. Holotype.
- PA1316.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.16. Paratype. (missing)
- PA1317.\* *Briscoia septentrionalis* Kobayashi, p.51, pl.9, fig.17. Paratype.

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Kobayashi, T. (1935d): continued

- PA1318.\* *Briscoia robusta* Kobayashi, p.52, pl.9, fig.18. Holotype.
- PA1319.\* *Briscoia mertiei* Kobayashi, p.53, pl.10, fig.6. Holotype.
- PA1320.\* *Briscoia mertiei* Kobayashi, p.53, pl.10, fig.7. Paratype.
- PA1321.\* *Parabriscoia elegans* Kobayashi, p.53, pl.10, fig.8. Syntype.
- PA1322.\* *Parabriscoia elegans* Kobayashi, p.53, pl.10, fig.9. Syntype.
- PA1323.\* *Parabriscoia elegans* Kobayashi, p.53, pl.10, fig.10. Syntype.
- PA1324.\* *Parabriscoia stenorachis* Kobayashi, p.53, pl.10, fig.12. Holotype.
- PA1325.\* *Parabriscoia dolichorachis* Kobayashi, p.54, pl.10, fig.11. Holotype.
- PA1326.\* *Parabriscoia* (?) *tripunctata* Kobayashi, p.54, pl.9, fig.8. Holotype.
- PA1327.\* *Hungaia* (?) *pacifica* Kobayashi, p.54, pl.10, fig.13. Syntype.
- PA1328.\* *Hungaia* (?) *pacifica* Kobayashi, p.54, pl.10, fig.14. Syntype.
- PA1329.\* *Richardsonella eurekaensis* Kobayashi, p.55, pl.9, fig.9. Holotype.
- PA1330.\* *Euptychaspis kirki* Kobayashi, p.56, pl.10, fig.4. Syntype.
- PA1331.\* *Euptychaspis kirki* Kobayashi, p.56, pl.10, fig.5. Syntype.  
(missing)
- PA1332.\* *Triarthropsis princetonensis* Kobayashi, p.56, pl.8, fig.1. Holotype.  
(missing)
- PA1333.\* *Eurekaia* sp., p.56, pl.9, fig.4. (missing)
- PA1334.\* *Pseudagnostus* a sp., p.57, pl.8, fig.3.
- PA1335.\* *Pseudagnostus* b sp., p.57, pl.8, fig.4. (missing)

Only plaster casts of trilobites described in this article are preserved.  
The original specimens are in the U. S. National Museum, Washington D. C.

Kobayashi, T. (1935e): Contributions to the Jurassic Torinosu Series of  
Japan. *Japan. Jour. Geol. Geogr.*, vol.12, nos.3-4, pp.69-91, pls.12,13.

- ME7031. *Pseudosaccocoma japonica* Kobayashi, p.72, pl.12, figs.1,2. Holotype.
- MM7032. *Properisphinctes* aff. *bernensis* (P. de Lorient), p.76, pl.13, figs. 4,5. (missing)
- MM7033.\* *Haugia japonica* (Neumayr), p.79, pl.12, figs.3,4. Plaster cast of Holotype. [original specimen in Geol. Institut der Universität, Wien]

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Kobayashi, T. (1935e): continued

- MM7034. *Horioceras mitodaense* Kobayashi, p.78, pl.12, figs.5,6. Holotype.
- MM7035. *Perisphinctes (Aulacosphinctoides ?)* sp. aff. *A. cfr. steigeri* Shimizu, p.74, pl.13, fig.1.
- MM7036. *Lithacoceras tarodaense* Kobayashi, p.75, pl.13, fig.3. Holotype.
- MM7038. *Lithacoceras* (?) sp., p.74, pl.13, fig.2.
- MM7039. *Hecticoceras* sp., p.76, pl.13, fig.6.
- MM7040. *Sigaloceras* sp., p.78, pl.13, figs.7,8.

Kobayashi, T. (1935f): On the Kainella fauna of the basal Ordovician age found in Argentina. *Japan. Jour. Geol. Geogr.*, vol.12, nos.3-4, pp. 59-67, pl.11.

- PB1336.\* *Eoorthis* (?) *putilliformis* Kobayashi, p.62, pl.11, fig.21. Syntype. (missing)
- PB1337.\* *Eoorthis* (?) *putilliformis* Kobayashi, p.62, pl.11, fig.22. Syntype. (missing)
- PB1338.\* *Eoorthis* (?) *putilliformis* Kobayashi, p.62, pl.11, fig.23. Syntype. (missing)
- PB1339.\* *Eoorthis* (?) *putilliformis* Kobayashi, p.62, pl.11, fig.24. Syntype. (missing)
- PM1340.\* *Oxynodiscus keideli* Kobayashi, p.63, pl.11, figs.19,20. Holotype. (missing)
- PA1341.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.5. Syntype.
- PA1342.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.6. Syntype.
- PA1343.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.7. Syntype.
- PA1344.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.8. Syntype.
- PA1345.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.9. Syntype.
- PA1346.\* *Kainella meridionalis* Kobayashi, p.64, pl.11, fig.10. Syntype.
- PA1347.\* *Kainella conica* Kobayashi, p.65, pl.11, fig.16. Syntype.
- PA1348.\* *Kainella conica* Kobayashi, p.65, pl.11, fig.17. Syntype.
- PA1349.\* *Kainella lata* Kobayashi, p.65, pl.11, fig.18. Holotype.
- PA1350.\* *Asaphellus* (?) *catamarcensis* Kobayashi, p.65, pl.11, fig.11. Syntype. (missing)
- PA1351.\* *Asaphellus* (?) *catamarcensis* Kobayashi, p.65, pl.11, fig.12. Syntype.
- PA1352.\* *Asaphellus* (?) *catamarcensis* Kobayashi, p.65, pl.11, fig.13. Syntype. (missing)

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Kobayashi, T. (1935f): continued

PA1353.\* *Asaphellus* (?) *catamarcensis* Kobayashi, p.65, pl.11, fig.13.  
Syntype. (missing)

PA1354.\* *Asaphellus* (?) *catamarcensis* Kobayashi, p.65, pl.11, fig.15.  
Syntype.

PA1355.\* *Andesaspis argentinensis* Kobayashi, p.67, pl.11, fig.1. Syntype.

PA1356.\* *Andesaspis argentinensis* Kobayashi, p.67, pl.11, fig.2. Syntype.  
(missing)

PA1357.\* *Andesaspis argentinensis* Kobayashi, p.67, pl.11, fig.3. Syntype.

Only plaster casts are preserved in this museum. All the original specimens are in the U. S. National Museum, Washington D. C.

Kobayashi, T. (1936a): Cambrian and Lower Ordovician trilobites from  
Northwestern Canada. *Jour. Paleontology*, vol.10, no.3, pp.157-167,  
pl.21.

PA1398.\* *Agnostus subobesus* Kobayashi, p.161, pl.21, fig.1. Syntype.

PA1399.\* *Agnostus subobesus* Kobayashi, p.161, pl.21, fig.2. Syntype.

PA1400.\* *Olenellus mackenziensis* Kobayashi, p.161, pl.21, fig.32. Holotype.

PA1401.\* *Redlichia* ? sp., p.162, pl.21, fig.24.

PA1402a.\* *Dolichometopsis humei* Kobayashi, p.162, pl.21, fig.29. Syntype.

PA1402b.\* *Dolichometopsis humei* Kobayashi, p.162, pl.21, fig.30. Syntype.

PA1402c.\* *Dolichometopsis humei* Kobayashi, p.162, pl.21, fig.31. Syntype.

PA1403.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.16. Syntype. (missing)

PA1404.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.17. Syntype. (missing)

PA1405.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.18. Syntype. (missing)

PA1406.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.21. Syntype. (missing)

PA1407.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.22. Syntype. (missing)

PA1408.\* *Glossopleura williamsi* Kobayashi, p.163, pl.21, fig.23. Syntype. (missing)

PA1409.\* *Symphysurina* aff. *S. woosteri* Ulrich, p.164, pl.21, figs.9,10.

PA1410.\* *Symphysurina* aff. *S. woosteri* Ulrich, p.164, pl.21, fig.11.

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Kobayashi, T. (1936a): continued

- PA1411.\* *Symphysurina* aff. *S. woosteri* Ulrich, p.164, pl.21, figs.12,13. (missing)
- PA1412.\* *Symphysurina* aff. *S. woosteri* Ulrich, p.164, pl.21, fig.14.
- PA1413.\* *Symphysurina spicata* Ulrich, p.164, pl.21, fig.15.
- PA1414.\* *Yukonaspis kindlei* Kobayashi, p.164, pl.21, figs.3,4. Holotype. (missing)
- PA1415.\* *Yukonaspis kindlei* Kobayashi, p.164, pl.21, fig.5. Paratype. (missing)
- PA1416.\* *Yukonaspis kindlei* Kobayashi, p.164, pl.21, fig.6. Paratype. (missing)
- PA1417.\* *Chancia canadensis* Kobayashi, p.164, pl.21, fig.28. Syntype.
- PA1418.\* *Chancia ? clusia* (Walcott), p.165, pl.21, fig.25. (missing)
- PA1419.\* *Chancia ? clusia* (Walcott), p.165, pl.21, fig.26. (missing)
- PA1420.\* *Chancia ? clusia* (Walcott), p.165, pl.21, fig.27. (missing)
- PA1421.\* *Ptychopleura brevifrons* Kobayashi, p.165, pl.21, fig.7. Holotype.
- PA1422.\* *Ptychopleura brevifrons* Kobayashi, p.165, pl.21, fig.8. Paratype. (missing)
- PA1423.\* *Parabolinella ? punctolineata* Kobayashi, p.166, pl.21, fig.19. Holotype.
- PA1424.\* *Parabolinella ? punctolineata* Kobayashi, p.166, pl.21, fig.20. Paratype.

Only plaster casts are preserved in this museum. All the original specimens are in the National Museum of Canada, Ottawa.

Kobayashi, T. (1936b): On the *Parabolinella* fauna from Province Jujuy, Argentina with a note on the Olenidae. *Japan. Jour. Geol. Geogr.*, vol.13, nos.1-2, pp.85-102, pls.15,16.

- PA1246. *Parabolinella argentinensis* Kobayashi, p.88, pl.15, figs.1,2. Syntype.
- PA1247. *Parabolinella argentinensis* Kobayashi, p.88, pl.15, fig.3. Syntype.
- PA1248. *Parabolinella argentinensis* Kobayashi, p.88, pl.15, fig.4. Syntype.
- PA1249. *Parabolinella argentinensis* Kobayashi, p.88, pl.15, fig.5. Syntype.
- PA1250. *Jujuyaspis keideli* Kobayashi, p.90, pl.16, fig.5. Syntype.

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Kobayashi, T. (1936b): continued

- PA1251. *Jujuyaspis keideli* Kobayashi, p.90, pl.16, fig.6. Syntype.
- PA1252. *Jujuyaspis keideli* Kobayashi, p.90, pl.16, fig.7. Syntype.
- PA1253. *Jujuyaspis keideli* Kobayashi, p.90, pl.16, fig.8. Syntype.
- PA1254. *Jujuyaspis keideli* Kobayashi, p.90, pl.16, fig.9. Syntype.
- PA1694.\* *Parabolinella* (?) *evansi* Kobayashi, p.92, pl.15, fig.7. Syntype.
- PA1695.\* *Parabolinella* (?) *evansi* Kobayashi, p.92, pl.15, fig.8. Syntype.
- PA1696.\* *Parabolinella* (?) *evansi* Kobayashi, p.92, pl.15, fig.9. Syntype.
- PA1697.\* *Parabolinella* (?) *evansi* Kobayashi, p.92, pl.15, fig.10. Syntype.
- PA1698.\* *Proaulacopheura buttsi* Kobayashi, p.93, pl.15, fig.6.
- PA1699.\* *Moxonia angulata* (Hall and Whitfield), p.98, pl.16, fig.1.
- PA1700.\* *Tostonia iole* (Walcott), p.98, pl.16, fig.2.
- PA1701.\* *Tostonia iole* (Walcott), p.98, pl.16, fig.3.
- PA1702.\* *Tostonia iole* (Walcott), p.98, pl.16, fig.4.

Only plaster casts are preserved in this museum for PA1694-PA1702. The original specimens are in the U. S. National Museum, Washington, D. C.

Kobayashi, T. (1936c): Three contributions to the Cambro-Ordovician faunas. I. The Dikelocephalininae (nov.), its distribution, migration and evolution. II. Notes on some Ordovician faunas of Tasmania. III. Brief remarks on the Cambro-Ordovician of Karakorum. *Japan. Jour. Geol. Geogr.*, vol.13, nos.1-2, pp.163-184, pls.20,21.

- PA1359.\* *Pterocephalia sanctisaboe* Roemer, p.172, pl.21, fig.10. (The original specimen is in the U. S. National Museum, Washington, D. C.)
- PA1360.\* *Pterocephalia sanctisaboe* Roemer, p.172, pl.21, fig.11. (The original specimen is in the U. S. National Museum, Washington, D. C.)
- PA1361.\* *Pterocephalia sanctisaboe* Roemer, p.172, pl.21, fig.12. (The original specimen is in the U. S. National Museum, Washington, D. C.)
- PA1362.\* *Paracoosia asiatica* (Walcott), p.172, pl.21, figs.8,9. (The original specimen is in the Tohoku University, Sendai.)
- PA1363.\* *Asaphopsis nakamurai* Kobayashi, p.175, pl.20, fig.18. Syntype. (The original specimen is in the Kyoto University, Kyoto.)
- PA1364.\* *Asaphopsis nakamurai* Kobayashi, p.175, pl.20, figs.19,20. Syntype. (The original specimen is in the Kyoto University, Kyoto.)
- PA1365.\* *Asaphopsis nakamurai* Kobayashi, p.175, pl.21, fig.13. Syntype. (The original specimen is in the Kyoto University, Kyoto.)

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Kobayashi, T. (1936c): continued

- PA1366.\* *Asaphopsis* cfr. *nakamurai* Kobayashi, p.176, pl.21, fig.14. (The original specimen is in the Kyoto University, Kyoto.)
- PA1367.\* *Asaphopsis* (?) *elegantulus* (Gortani), p.177, pl.20, fig.17. (The original specimen is in the University of Florence, Florence.)
- PA1368.\* *Taihungshania florentinensis* (Etheridge), p.179, pl.20, fig.15. (The original specimen is in the British Museum of Natural History, London.)
- PA1369.\* *Taihungshania florentinensis* (Etheridge), p.179, pl.20, fig.16. (The original specimen is in the British Museum of Natural History, London.)
- PA1370.\* *Tasmanocephalus stephensis* (Etheridge), p.179, pl.20, fig.11. (The original specimen is in the British Museum of Natural History, London.)
- PA1371.\* *Tasmanocephalus stephensis* (Etheridge), p.179, pl.20, fig.12. (The original specimen is in the British Museum of Natural History, London.)
- PA1372.\* *Tasmanocephalus stephensis* (Etheridge), p.179, pl.20, fig.13. (The original specimen is in the British Museum of Natural History, London.)
- PA1373.\* *Tasmanocephalus stephensis* (Etheridge), p.179, pl.20, fig.14. (The original specimen is in the British Museum of Natural History, London.)
- PB1374.\* *Billingsella gigantea* (Gortani), p.181, pl.20, fig.5. (The original specimen is in the University of Florence, Florence.)
- PB1375.\* *Billingsella gigantea* (Gortani), p.181, pl.20, fig.6. (The original specimen is in the University of Florence, Florence.)
- PB1376.\* *Billingsella gigantea* (Gortani), p.181, pl.20, figs.7,8. (The original specimen is in the University of Florence, Florence.)
- PB1377.\* *Billingsella gigantea* (Gortani), p.181, pl.20, fig.9. (The original specimen is in the University of Florence, Florence.)
- PB1378.\* *Billingsella gigantea* (Gortani), p.181, pl.20, fig.10. (The original specimen is in the University of Florence, Florence.)
- PB1379.\* "*Triplecia*" *uncata* (Salter), p.183, pl.20, figs.1-4. (The original specimen is in the University of Florence, Florence.)

Only plaster casts are preserved in this museum.

Kobayashi, T. (1936d): *Coreanoceras*, one of the most specialized piloceroids and its benthonic adaptation. *Japan. Jour. Geol. Geogr.*, vol. 13, nos.1-2, pp.185-195, pls.22,23.



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Kobayashi, T. (1936d): continued

- PM0002. *Kotoceras grabau* (Kobayashi), p.185, pl.22, fig.5. Syntype.  
[see also Kobayashi (1928)]
- PM0210. *Coreanoceras shorinense* Kobayashi, p.186, pl.22, figs.12,13, pl.  
23, figs.9,10. Holotype of *Coreanoceras kemipoense*. [see also  
Kobayashi (1931b)]
- PM0219. *Coreanoceras kokaiense* Kobayashi, p.187, pl.22, fig.6. Syntype.  
[see also Kobayashi (1931b)]
- PM1380.\* *Coreanoceras kemipoense* Kobayashi, p.186, pl.22, figs.1-4.
- PM1381. *Coreanoceras* cf. *kemipoense* Kobayashi, p.186, pl.22, fig.7.
- PM1382. *Coreanoceras* cf. *kemipoense* Kobayashi, p.186, pl.22, fig.8.
- PM1383. *Coreanoceras kemipoense* Kobayashi, p.186, pl.22, figs.9,10.
- PM1384. *Coreanoceras kemipoense* Kobayashi, p.186, pl.22, fig.11.
- PM1385. *Coreanoceras kemipoense* Kobayashi, p.186, pl.23, figs.1,2.
- PM1386. *Coreanoceras kemipoense* Kobayashi, p.186, pl.23, figs.3,4.
- PM1387. *Coreanoceras* cf. *kemipoense* Kobayashi, p.186, pl.23, figs.5,6.
- PM1388. *Coreanoceras* cf. *kemipoense* Kobayashi, p.187, pl.23, figs.7,8.  
(missing)

Kobayashi, T. (1936e): On the Stereoplasmoderatidae. *Japan. Jour. Geol.*  
*Geogr.*, vol.13, nos.3-4, pp.229-242, pl.26.

- PM0019. *Stereoplasmoderates cylindricum* Kobayashi, p.239, pl.26, fig.5.  
Holotype. [see also Kobayashi (1928)]
- PM0132. *Stereoplasmoderates tofangoense* (Kobayashi), p.241, pl.26, fig.6.  
Holotype. [see also Kobayashi (1931b)]
- PM0223. *Stereoplasmoderates teichert* Kobayashi, p.239, pl.26, figs.3,4.  
Holotype. [see also Kobayashi (1931b)]
- PM1389. *Stereoplasmoderates pseudoseptum* Grabau, p.237, pl.26, figs.1,2.

Kobayashi, T. (1936f): The world-wide distribution of the Ribesiriod in  
the Ordovician Period. *Jour. Geol. Soc. Japan*, vol.43, pp.349-358.

- PM1393.\* *Schizopecten prosseri* (Clarke), p.350, text-fig.1. (The original  
specimen is in the New York State Museum, Albany.)
- PM1394.\* *Schizopecten prosseri* (Clarke), p.350, text-fig.2. (The original  
specimen is in the New York State Museum, Albany.)
- PM1395.\* *Technophorus otaviensis* Kobayashi, p.352, text-fig.5. Syntype.  
(missing) (The original specimen is in the University of Frei-

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Kobayashi, T. (1936f): continued

burg, Freiburg.)

PM1396.\* *Technophorus otaviensis* Kobayashi, p.352, text-fig.6. Syntype.  
(The original specimen is in the University of Freiburg, Freiburg.)

PM1397.\* *Technophorus otaviensis* Kobayashi, p.352, text-fig.7. Syntype.  
(The original specimen is in the University of Freiburg, Freiburg.)

Only dental modeling casts are preserved in this museum.

Kobayashi, T. (1936g): Proparian genus of the Olenidae and its bearing on the trilobite classification. *Proc. Imp. Acad. Tokyo*, vol.12, pp.176-177.

PA1501.\* *Jujuyaspis steinmanni* Kobayashi, p.176, text-fig.1. Syntype.  
(missing)

PA1502.\* *Jujuyaspis steinmanni* Kobayashi, p.176, text-fig.2. Syntype.

PA1503.\* *Jujuyaspis steinmanni* Kobayashi, p.176, text-fig.3. Syntype.

PA1504.\* *Jujuyaspis steinmanni* Kobayashi, p.176, text-fig.4. Syntype.

PA1505.\* *Jujuyaspis steinmanni* Kobayashi, p.176, text-fig.5. Syntype.  
(missing)

Only dental modeling casts are preserved in this museum. All the original specimens belong to the Geological Institute of Freiburg, Freiburg.

Kobayashi, T. (1937a): An occurrence of a new Permian phyllocarid in South Chosen. *Jour. Geol. Soc. Japan*, vol.44, no.523, pp.337-340.

PA1506. *Coreocaris eishunensis* Kobayashi, p.338, text-fig.1. Holotype.  
(missing)

PA1507. *Coreocaris eishunensis* Kobayashi, p.338, text-fig.2. Paratype.  
(missing)

PA1508. *Coreocaris eishunensis* Kobayashi, p.338, text-fig.3. Paratype.  
(missing)

Kobayashi, T. (1937b): Restudy on the Dames' types of the Cambrian trilobites from Liaotung. *Jour. Geol. Soc. Japan*, vol.44, no.524, pp.421-437, pl.17.

PA1509.\* *Agnostus hoiformis* Kobayashi, p.434, pl.17, fig.15a. (missing)

Kobayashi, T. (1937b): continued

- PA1510.\* *Agnostus hoiformis* Kobayashi, p.434, pl.17, fig.15b. (missing)
- PA1511.\* *Chuangia frequens* (Dames), p.425, pl.17, fig.1a.
- PA1512.\* *Chuangia frequens* (Dames), p.425, pl.17, fig.1b.
- PA1513.\* *Chuangia frequens* (Dames), p.425, pl.17, fig.1c.
- PA1514.\* *Chuangia frequens* (Dames), p.425, pl.17, fig.1d. (missing)
- PA1515.\* *Prochuangia quadriceps* (Dames), p.426, pl.17, fig.2a.
- PA1516.\* *Prochuangia quadriceps* (Dames), p.426, pl.17, fig.2b.
- PA1517.\* *Prochuangia quadriceps* (Dames), p.426, pl.17, fig.2c.
- PA1518.\* *Inouyella typa* (Dames), p.427, pl.17, fig.3a.
- PA1519.\* *Inouyella typa* (Dames), p.427, pl.17, fig.3b.
- PA1520.\* *Anomocarella* (?) *subquadrata* (Dames), p.428, pl.17, fig.4a.
- PA1521.\* *Anomocarella* (?) *subquadrata* (Dames), p.428, pl.17, fig.4b.
- PA1522.\* *Lioparia latelimbatus* (Dames), p.428, pl.17, fig.5.
- PA1523.\* *Saimachia damesi* Kobayashi, p.430, pl.17, fig.16. Holotype.
- PA1524.\* *Anomocarella minus* (Dames), p.430, pl.17, fig.6.
- PA1525.\* *Anomocarella planum* (Dames), p.431, pl.17, fig.7a.
- PA1526.\* *Anomocarella planum* (Dames), p.431, pl.17, fig.7b.
- PA1527.\* *Metagraulos nanum* (Dames), p.431, pl.17, fig.8.
- PA1529.\* *Anomocarella subcostatum* (Dames), p.432, pl.17, fig.10.
- PA1530.\* *Ptychoparia talingensis* (Dames), p.432, pl.17, fig.11.
- PA1531.\* *Magalophthalmus megalurus* (Dames), p.433, pl.17, fig.12a.
- PA1532.\* *Megalophthalmus megalurus* (Dames), p.433, pl.17, fig.12b.
- PA1533.\* *Dorypyge richthofeni* Dames, p.434, pl.17, fig.13a.
- PA1534.\* *Dorypyge richthofeni* Dames, p.434, pl.17, fig.13b.
- PA1535.\* *Pseudagnostus chinensis* (Dames), p.434, pl.17, fig.14a.
- PA1536.\* *Pseudagnostus chinensis* (Dames), p.434, pl.17, fig.14b.
- PA1528.\* *Anomocarella majus* (Dames), p.432, pl.17, fig.9.
- PA1537.\* Gen. et sp. indet., p.424, pl.17, fig.17.

Only dental modeling casts are preserved in this museum. The original specimens belong to the Geol.-Paläont. Institut und Museum der Universität, Berlin.

Kobayashi, T. (1937c): The Cambro-Ordovician shelly faunas of South America. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.4, part 4, pp. 369-522, pls.1-8.

- PE1538.\* *Cystoid*, gen. et sp. indt., p.417, pl.1, fig.1.
- PE1539.\* *Cystoid*, gen. et sp. indt., p.417, pl.1, fig.2. (missing)
- PB1540.\* *Acrotreta* cfr. *curvata* Walcott, p.417, pl.1, fig.3. (missing)
- PB1541.\* *Acrotreta* cfr. *curvata* Walcott, p.417, pl.1, fig.4. (missing)
- PB1542.\* *Orusia saltensis* (Kayser), p.418, pl.1, fig.5.
- PB1543.\* *Orusia saltensis* (Kayser), p.418, pl.1, figs.6,7.
- PB1544.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, fig.8. Syntype.
- PB1545.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, figs.9,10. Syntype. (missing)
- PB1546.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, fig.11. Syntype. (missing)
- PB1547.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, fig.12. Syntype. (missing)
- PB1548.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, fig.13. Syntype. (missing)
- PB1549.\* *Finkelburgia samensis* Kobayashi, p.419, pl.1, fig.14. Syntype. (missing)
- PB1550.\* *Orthis boliviensis* Kobayashi, p.420, pl.1, fig.19. Syntype.
- PB1551.\* *Orthis boliviensis* Kobayashi, p.420, pl.1, fig.20. Syntype.
- PB1552.\* *Orthis boliviensis* Kobayashi, p.420, pl.1, fig.21. Syntype.
- PB1553.\* *Orthis otaviensis* Kobayashi, p.421, pl.1, fig.25. Syntype.
- PB1554.\* *Orthis otaviensis* Kobayashi, p.421, pl.1, fig.26. Syntype.
- PB1555.\* *Orthis otaviensis* Kobayashi, p.421, pl.1, fig.27. Syntype.
- PB1556.\* *Diorthis obispoensis* Kobayashi, p.421, pl.1, fig.22. Syntype. (missing)
- PB1557.\* *Diorthis obispoensis* Kobayashi, p.421, pl.1, fig.23. Syntype. (missing)
- PB1558.\* *Diorthis obispoensis* Kobayashi, p.421, pl.1, fig.24. Syntype. (missing)
- PB1559.\* *Riograndella subcircus* Kobayashi, p.422, pl.1, fig.15. Syntype. (missing)
- PB1560.\* *Riograndella subcircus* Kobayashi, p.422, pl.1, fig.16. Syntype. (missing)
- PB1561.\* *Riograndella subcircus* Kobayashi, p.422, pl.1, fig.17. Syntype (missing)

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Kobayashi, T. (1937c): continued

- PB1562.\* *Riograndella subcircus* Kobayashi, p.422, pl.1, fig.18. Syntype. (missing)
- PB1563.\* *Dalmanella* (?) sp., p.423, pl.1, fig.28.
- PB1564.\* *Dalmanella* (?) sp., p.423, pl.1, fig.29.
- PM1565.\* *Bucania mudanensis* Kobayashi, p.424, pl.1, fig.30. Holotype.
- PM1566.\* *Pelagiella escayachensis* Kobayashi, p.426, pl.1, fig.31. Syntype. (missing)
- PM1567.\* *Pelagiella escayachensis* Kobayashi, p.426, pl.1, fig.32. Syntype. (missing)
- PM1568.\* *Pelagiella escayachensis* Kobayashi, p.426, pl.1, fig.33. Syntype.
- PM1569.\* *Ctenodonta cochabambensis* Kobayashi, p.427, pl.1, fig.34. Syntype.
- PM1570.\* *Ctenodonta cochabambensis* Kobayashi, p.427, pl.1, fig.35. Syntype.
- PM1571.\* *Ctenodonta cochabambensis* Kobayashi, p.427, pl.1, fig.36. Syntype.
- PM1572.\* *Ctenodonta iclensis* Kobayashi, p.428, pl.2, fig.12. Syntype.
- PM1573.\* *Ctenodonta iclensis* Kobayashi, p.428, pl.2, fig.13. Syntype. (missing)
- PM1574.\* *Ctenodonta iclensis* Kobayashi, p.428, pl.2, fig.14. Syntype. (missing)
- PM1575.\* *Ctenodonta iclensis* Kobayashi, p.428, pl.2, fig.15. Syntype. (missing)
- PM1576.\* *Ctenodonta iclensis* var. *augusta* Kobayashi, p.429, pl.2, fig.16. Holotype. (missing)
- PM1577.\* *Ctenodonta mesambonata* Kobayashi, p.429, pl.2, fig.17. Holotype. (missing)
- PM1578.\* *Ctenodonta gracilis* (Hoek), p.429, pl.2, fig.10.
- PM1579.\* *Ctenodonta* aff. *alta* Hall, p.430, pl.2, fig.11. (missing)
- PM1580.\* *Cleidophorus* (?) aff. *consuetus* Ulrich, p.430, pl.7, fig.9. (missing)
- PM1581.\* *Goniophorina tambillosensis* Kobayashi, p.431, pl.2, figs.20,21. Holotype.
- PM1582.\* *Goniophorina isbergi* Kobayashi, p.431, pl.2, fig.18. Syntype.
- PM1583.\* *Goniophorina isbergi* Kobayashi, p.431, pl.2, fig.19. Syntype.
- PM1584.\* *Goniophorina* (?) *otaviensis* Kobayashi, p.432, pl.2, fig.26. Holotype. (missing)
- PM1585.\* "*Endoceras*" a sp., p.433, pl.7, fig.10a-c. (missing)

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Kobayashi, T. (1937c): continued

- PM1586.\* *"Endoceras"* b sp., p.433, pl.3, figs.22-24. (missing)
- PM1587.\* *"Endoceras"* c sp., p.434, pl.2, fig.22. (missing)
- PM1588.\* *Cycloceras greciostatum* Kobayashi, p.434, pl.8, fig.4a-c. Holotype. (missing)
- PM1589.\* *Ormoceras bolivianum* (Hoek), p.434, pl.2, fig.23. (missing)
- PM1590.\* *Ormoceras bolivianum* (Hoek), p.434, pl.2, fig.24. (missing)
- PA1591.\* *Phalacroma atuberculata* Kobayashi, p.447, pl.7, fig.3. Syntype. (missing)
- PA1592.\* *Phalacroma atuberculata* Kobayashi, p.447, pl.7, fig.4. Syntype. (missing)
- PA1593.\* *Gallagnostus bolivianus* (Hoek), p.448, pl.2, fig.1. (missing)
- PA1594.\* *Gallagnostus bolivianus* (Hoek), p.448, pl.2, fig.2. (missing)
- PA1595.\* *Pseudagnostus (Rhoagnostus ?) semiovalis* Kobayashi, p.453, pl.2, fig.8. Holotype. (missing)
- PA1596.\* *Pseudagnostus (Rhoagnostus ?) semiovalis* Kobayashi, p.453, pl.2, fig.9. Paratype. (missing)
- PA1597.\* *Geragnostus tullbergi* Kobayashi, p.464, pl.2, fig.3. Syntype. (missing)
- PA1598.\* *Geragnostus tullbergi* Kobayashi, p.464, pl.2, fig.4. Syntype. (missing)
- PA1599.\* *Geragnostus tullbergi* Kobayashi, p.464, pl.2, fig.5. Syntype. (missing)
- PA1600.\* *Geragnostus quadratus* Kobayashi, p.464, pl.2, fig.6. Syntype. (missing)
- PA1601.\* *Geragnostus quadratus* Kobayashi, p.464, pl.2, fig.7. Syntype. (missing)
- PA1602.\* *Geragnostus quadratus* Kobayashi, p.464, pl.7, fig.5. Syntype. (missing)
- PA1603.\* *Kainella billingsi* (Walcott), p.469, pl.3, fig.3. (missing)
- PA1604.\* *Kainella billingsi* (Walcott), p.469, pl.6, fig.9. (missing)
- PA1605.\* *Kainella billingsi* (Walcott), p.469, pl.6, fig.10. (missing)
- PA1606.\* *Kainella billingsi* (Walcott), p.469, pl.6, fig.11.
- PA1607.\* *Kainella meridionalis* Kobayashi, p.470, pl.6, fig.6. (missing)
- PA1608.\* *Kainella meridionalis* Kobayashi, p.470, pl.6, fig.7.
- PA1609.\* *Kainella meridionalis* Kobayashi, p.470, pl.6, fig.8.
- PA1610.\* *Protopliomerops punctulifera* Kobayashi, p.472, pl.6, fig.4. Syntype.

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Kobayashi, T. (1937c): continued

- PA1611.\* *Protopliomerops punctulifera* Kobayashi, p.472, pl.6, fig.5. Syntype.
- PA1612.\* *Plethopeltis megalops* Kobayashi, p.472, pl.3, fig.8. Syntype.
- PA1613.\* *Plethopeltis megalops* Kobayashi, p.472, pl.3, fig.9. Syntype.
- PA1614.\* *Plethopeltis megalops* Kobayashi, p.472, pl.3, fig.10. Syntype.
- PA1615.\* *Plethometopus microphthalmus* Kobayashi, p.473, pl.3, fig.12. Syntype.
- PA1616.\* *Plethometopus microphthalmus* Kobayashi, p.473, pl.3, fig.13. Syntype.
- PA1617.\* *Plethometopus microphthalmus* Kobayashi, p.473, pl.3, fig.14. Syntype.
- PA1618.\* *Plethometopus microphthalmus* Kobayashi, p.473, pl.7, fig.7. Syntype. (missing)
- PA1619.\* "*Olenus*" *argentinus* (Kayser), p.474, pl.4, fig.6. (missing)
- PA1620.\* "*Olenus*" *argentinus* (Kayser), p.474, pl.4, fig.7. (missing)
- PA1621.\* "*Olenus*" *argentinus* (Kayser), p.474, pl.4, fig.8. (missing)
- PA1622.\* "*Olenus*" *argentinus* (Kayser), p.474, pl.4, fig.9. (missing)
- PA1623.\* *Olenus* (?) sp., p.475, pl.4, fig.14.
- PA1624.\* *Parabolina andina* (Hoek), p.477, pl.4, fig.10.
- PA1625.\* *Parabolina andina* (Hoek), p.477, pl.4, fig.11.
- PA1626.\* *Parabolina andina* (Hoek), p.477, pl.4, fig.12.
- PA1627.\* *Parabolina andina* (Hoek), p.477, pl.4, fig.13. (missing)
- PA1628.\* *Parabolina andina* (Hoek), p.477, pl.8, fig.3. (missing)
- PA1629.\* *Parabolina* sp., p.478, pl.3, fig.4. (missing)
- PA1630.\* *Parabolina* sp., p.478, pl.3, fig.5. (missing)
- PA1631.\* *Parabolinella* (?) aff. *shinetonensis* Raw, p.478, pl.4, frg.18.
- PA1632.\* *Parabolinella* (?) aff. *shinetonensis* Raw, p.478, pl.4, fig.19.
- PA1633.\* *Parabolinopsis mariana* Hoek, p.479, pl.4, fig.15.
- PA1634.\* *Parabolinopsis mariana* Hoek, p.479, pl.4, fig.16.
- PA1635.\* *Parabolinopsis mariana* Hoek, p.479, pl.4, fig.17. (missing)
- PA1636.\* *Angelina punctolineata* Kobayashi, p.477, pl.6, fig.22. Holotype. (missing)
- PA1637.\* *Jujuyaspis steinmanni* Kobayashi, p.480, pl.4, fig.5. (missing)
- PA1638.\* *Shumardia erquensis* Kobayashi, p.483, pl.6, fig.2. Syntype. (missing)

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Kobayashi, T. (1937c): continued

- PA1639.\* *Shumardia erquensis* Kobayashi, p.483, pl.6, fig.2. Syntype.  
(missing)
- PA1640.\* *Shumardia erquensis* Kobayashi, p.483, pl.6, fig.3. Syntype.  
(missing)
- PA1641.\* "*Ptychoparia*" sp., p.484, pl.4, fig.20.
- PA1642.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.23. Syntype.
- PA1643.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.24. Syntype.
- PA1644.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.25. Syntype.
- PA1645.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.26. Syntype.
- PA1646.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.27. Syntype.
- PA1647.\* *Calymene (Synhomalonotus ?) pompeckji* Kobayashi, p.488, pl.6,  
fig.28. Syntype.
- PA1648.\* *Homalonotus (Brongniartella ?) bistrami* Hoek, p.490, pl.3, fig.  
15.
- PA1649.\* *Homalonotus (Brongniartella ?) bistrami* Hoek, p.490, pl.3, fig.  
16.
- PA1650.\* *Homalonotus (Brongniartella ?) bistrami* Hoek, p.490, pl.3, fig.  
17.
- PA1651.\* *Leiostegina inexpectans* Kobayashi, p.491, pl.6, fig.18.
- PA1652.\* *Leiostegina inexpectans* Kobayashi, p.491, pl.6, fig.19.
- PA1653.\* *Leiostegina inexpectans* Kobayashi, p.491, pl.6, fig.20. (miss-  
ing)
- PA1654.\* *Lakaspis apolinista* (Lake), p.492, pl.2; fig.27.
- PA1655.\* *Lakaspis apolinista* (Lake), p.492, pl.2, fig.28.
- PA1656.\* *Trinucleus boliviensis* Lake, p.493, pl.3, fig.1.
- PA1657a.\* *Trinucleus krugeri* Hoek, p.494, pl.5, fig.13. (missing)
- PA1657b.\* *Trinucleus krugeri* Hoek, p.494, pl.5, fig.14. (missing)
- PA1658.\* *Ogyginus (?)* sp., p.495, pl.3, fig.7.
- PA1659.\* *Ogyginus (?)* sp., p.495, pl.5, fig.9.
- PA1660.\* *Hoekaspis metacensis* (Hoek), p.496, pl.3, fig.18.
- PA1661.\* *Hoekaspis metacensis* (Hoek), p.496, pl.6, fig.15.
- PA1662.\* *Hoekaspis metacensis* (Hoek), p.496, pl.6, fig.16.



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Kobayashi, T. (1937c): continued

- PA1663.\* *Hoekaspis metacensis* (Hoek), p.496, pl.6, fig.17.
- PA1664.\* *Hoekaspis mesops* Kobayashi, p.497, pl.3, fig.11. Syntype. (missing)
- PA1665.\* *Hoekaspis mesops* Kobayashi, p.497, pl.6, fig.12. Syntype. (missing)
- PA1666.\* *Hoekaspis mesops* Kobayashi, p.497, pl.6, fig.13. Syntype. (missing)
- PA1667.\* *Hoekaspis mesops* Kobayashi, p.497, pl.6, fig.14. Syntype. (missing)
- PA1668.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.1. (missing)
- PA1669.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.2. (missing)
- PA1670.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.3. (missing)
- PA1671.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.4. (missing)
- PA1672.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.5. (missing)
- PA1673.\* *Asaphellus (Asaphelloides) americana* (Hoek), p.497, pl.5, fig.6. (missing)
- PA1674.\* *Megalaspidella kayseri* Kobayashi, p.499, pl.5, fig.7. Syntype.
- PA1675.\* *Megalaspidella kayseri* Kobayashi, p.499, pl.5, fig.8. Syntype.
- PA1676.\* *Xenostegium brackebuschi* (Kayser), p.500, pl.3, fig.21.
- PA1677.\* *Xenostegium saltensis* (Kayser), p.501, pl.3, fig.2.
- PA1678.\* *Thysanopyge argentina* Kayser, p.501, pl.3, fig.19.
- PA1679.\* *Thysanopyge argentina* Kayser, p.501, pl.3, fig.20.
- PA1680.\* *Basilicus* aff. *tyrannus* (Murchison), p.502, pl.6, fig.21.
- PA1681.\* *Parabasilicus* aff. *typicalis* Kobayashi, p.503, pl.5, fig.11.
- PA1682.\* *Parabasilicus* aff. *typicalis* Kobayashi, p.503, pl.5, fig.12.
- PA1683.\* *Pseudobasilicus* (?) *liquensis* (Hoek), p.504, pl.5, fig.10. (missing)
- PA1684.\* Trilobite (*Angelina* ?) gen. et sp. indt., p.505, pl.4, fig.21. (missing)
- PA1685.\* Trilobite (*Angelina* ?) gen. et sp. indt., p.505, pl.4, fig.22. (missing)
- PA1686.\* Hypostoma a, gen. et sp. indt., p.506, pl.3, fig.6. (missing)

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Kobayashi, T. (1937c): continued

- PA1687.\* *Hypostoma* b, gen. et sp. indt., p.506, pl.2, fig.25. (missing)
- PA1688.\* *Technophorus otaviensis* Kobayashi, p.507, pl.7, fig.8. (missing)
- PA1689.\* *Cruziana* cfr. *furcifera* d'Orbigny, p.510, pl.8, fig.6. (missing)
- PA1690.\* *Cruziana* cfr. *furcifera* d'Orbigny, p.510, pl.8, fig.7.
- PA1691.\* *Cruziana* sp., p.511, pl.8, fig.5.
- PB1692.\* Orthid, a sp., p.394, pl.7, figs.1,2. (missing)
- PB1693.\* Orthid, b sp., p.394, pl.7, fig.6. (missing)

Only dental modeling casts are preserved in this museum. Although the repository of the original specimens was not specified in this article, three of the casts (PA1654-PA1656) were taken from Lake's types preserved in the British Museum of Natural History, London, and the remaining casts were mostly from Steinmann and Hoek's collection in the Geological Institute, Freiburg.

Kobayashi, T. (1937d): Contribution to the study of the apical end of the Ordovician nautiloid. *Japan. Jour. Geol. Geogr.*, vol.14, nos.1-2, pp. 1-21, pls.1,2.

- PM0034. *Armenoceras manchurense* (Kobayashi), p.13, pl.2, fig.7. [see also Kobayashi (1928)]
- PM0046. *Cyrtonyboceras curvatum* (Grabau), p.2, pl.2, fig.8. [see also Kobayashi (1928)]
- PM0125. *Manchuroceras wolungense* (Kobayashi), p.13, pl.2, fig.1a,b. [see also Kobayashi (1931a)]
- PM0701. *Selkirkoceras yokusenense* (Kobayashi), p.5, pl.1, fig.2c. [see Kobayashi (1934b)]
- PM1703.\* *Selkirkoceras* cf. *yokusenense* (Kobayashi), p.5, pl.1, fig.1a-e. (missing) [original specimen in the Kyoto University, Kyoto]
- PM1704. *Selkirkoceras yokusenense* (Kobayashi), p.5, pl.1, fig.2a,b.
- PM1705. *Armenoceras ventrosiphonatum* Kobayashi, p.5, pl.1, fig.3a,b, pl. 2, fig.6. Syntype.
- PM1706. *Armenoceras ventrosiphonatum* Kobayashi, p.5, pl.1, fig.3c, pl.1, fig.3c. Syntype.
- PM1707. *Armenoceras richthofeni* (Frech), p.2, pl.1, fig.4.
- PM1708. *Manchuroceras wolungense* (Kobayashi), p.13, pl.2, fig.2a,b.
- PM1709. *Manchuroceras wolungense* (Kobayashi), p.13, pl.2, fig.3a,b.

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Kobayashi, T. (1937d): continued

PM1710. *Foerstella faberi* (Foerste), p.11, pl.2, fig.5. (missing)

PM1711. *Coreanoceras kemipoense* Kobayashi, p.13, pl.2, fig.5.

Kobayashi, T. (1937e): On *Salterella canulata* and its allies. Japan.

*Jour. Geol. Geogr.*, vol.14, nos.3-4, pp.173-183, pl.17.

PM1712. *Salterella canulata* Clark, p.176, pl.17, fig.1a-d.

Kobayashi, T. (1938a): Restudy on the Frech's type specimens of *Actinoceras richthofeni*. *Jour. Geol. Soc. Japan*, vol.45, no.532, pp.81-84.

PM1789.\* *Armenoceras richthofeni* (Frech), p.82, text-figs.1,2. Lectotype.

Only a dental modeling cast is preserved in this museum. The original specimen belongs to the Geol.-palaont. Institut und Museum der Universität, Berlin.

Kobayashi, T. (1938b): An occurrence of *Lopnorites* in Hunan, China.

*Jour. Geol. Soc. Japan*, vol.45, no.534. pp.323-325.

PA1790.\* *Lopnorites* sp., p.325, text-fig.1.

Only dental modeling and plaster casts are preserved in this museum. The original specimen is probably stored in the Tohoku University, Sendai.

Kobayashi, T. (1938c): Upper Cambrian fossils from British Columbia with a discussion on the isolated occurrence of the so-called "Olenus" beds of Mt. Jubilee. *Japan. Jour. Geol. Geogr.*, vol.15, nos.3-4, pp.149-192, pls.15,16.

PB1713.\* *Obolus* aff. *iron* Walcott, p.167, pl.16, fig.2.

PB1714.\* *Obolus* sp., p.167, pl.16, fig.1.

PB1715.\* *Lingulella* sp., p.167, pl.16, fig.4.

PB1716.\* *Acrotreta idahoensis* Walcott, p.167, pl.16, fig.3a-c. (missing)

PM1717.\* *Hypselconus substabilis* Kobayashi, p.168, pl.16, figs.5a,b,6. Holotype. (missing)

PA1718.\* *Peronopsis* (?) *latimarginatus* Kobayashi, p.169, pl.15, fig.30. Holotype.

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Kobayashi, T. (1938c): continued

- PA1719.\* *Peronopsis* (?) *latimarginatus* Kobayashi, p.169, pl.15, fig.31a. Paratype.
- PA1720.\* *Peronopsis* (?) *latimarginatus* Kobayashi, p.169, pl.15, fig.31b. Paratype.
- PA1721.\* *Glyptagnostus* "*reticulatus*" Angelin, p.170, pl.16, fig.34.
- PA1722.\* *Pseudagnostus* *latus* Kobayashi, p.171, pl.16, fig.23. Syntype.
- PA1723.\* *Pseudagnostus* *latus* Kobayashi, p.171, pl.16, fig.24. Syntype.
- PA1724.\* *Pseudagnostus* *latus* Kobayashi, p.171, pl.16, fig.40. Syntype. (missing)
- PA1725.\* *Pseudagnostus* *latus* Kobayashi, p.171, pl.16, fig.41. Syntype.
- PA1726.\* *Agnostus* *inexpectans* Kobayashi, p.172, pl.16, fig.30. Syntype. (missing)
- PA1727.\* *Agnostus* *inexpectans* Kobayashi, p.172, pl.16, fig.31. Syntype. (missing)
- PA1728.\* *Agnostus* *inexpectans* Kobayashi, p.172, pl.16, fig.31. Syntype. (missing)
- PA1729.\* *Agnostus* *inexpectans* Kobayashi, p.172, pl.16, fig.33. Syntype. (missing)
- PA1730.\* *Homagnostus* *acutus* Kobayashi, p.172, pl.16, fig.18. Syntype.
- PA1731.\* *Homagnostus* *acutus* Kobayashi, p.172, pl.16, fig.19. Syntype.
- PA1732.\* *Homagnostus* *acutus* Kobayashi, p.172, pl.16, fig.20. Syntype.
- PA1733.\* *Homagnostus* *acutus* Kobayashi, p.172, pl.16, fig.21. Syntype.
- PA1734.\* *Homagnostus* *acutus* Kobayashi, p.172, pl.16, fig.22. Syntype.
- PA1735.\* *Homagnostus* cfr. *acutus* Kobayashi, p.172, pl.15, fig.4.
- PA1736.\* *Irvingella* (*Irvingellina*) *protuberans* Kobayashi, p.176, pl.15, fig.1a-c. Syntype.
- PA1737.\* *Irvingella* (*Irvingellina*) *protuberans* Kobayashi, p.176, pl.15, fig.2. Syntype.
- PA1738.\* *Irvingella* (*Irvingellina*) ? sp., p.176, pl.15, fig.3.
- PA1739.\* *Hardyoides* *minor* Kobayashi, p.177, pl.16, fig.29. Syntype. (missing)
- PA1740.\* *Plethopeltis* *robustus* Kobayashi, p.178, pl.15, fig.21. Syntype.
- PA1741.\* *Plethopeltis* *robustus* Kobayashi, p.178, pl.15, fig.22. Syntype.
- PA1742.\* *Pterocephalia* *brevifrons* Kobayashi, p.178, pl.15, fig.17a,b. Holotype.
- PA1743.\* *Iddingsia* *concava* Kobayashi, p.179, pl.15, fig.15a,b. Syntype.
- PA1744.\* *Iddingsia* *concava* Kobayashi, p.179, pl.15, fig.16. Syntype. (missing)

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Kobayashi, T. (1938c): continued

- PA1745.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.6.
- PA1746.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.7.
- PA1747.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.8.
- PA1748.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.10.
- PA1749.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.11.
- PA1750.\* *Elvinia roemeri* (Shumard), p.180, pl.15, fig.12.
- PA1751.\* *Elvinia* aff. *roemeri* (Shumard), p.180, pl.15, fig.13.
- PA1752.\* *Elvinia* (?) sp., p.181, pl.15, fig.14.
- PA1753.\* *Dunderbergia canadensis* Kobayashi, p.182, pl.16, fig.16. Syntype.
- PA1754.\* *Duncerbergia canadensis* Kobayashi, p.182, pl.16, fig.17. Syntype. (missing)
- PA1755.\* *Dunderbergia* (*Megadunderbergia*) *convexa* Kobayashi, p.182, pl.15, fig.32a,b. Holotype.
- PA1756.\* *Dunderbergia* (*Megadunderbergia*) *quadrata* Kobayashi, p.183, pl.15, fig.33. Holotype.
- PA1757.\* *Dunderbergia* (*Megadunderbergia* ?) *similator* (Hall and Whitfield), p.183, pl.16, fig.39. (missing)
- PA1758.\* *Taenicephalus megalops* Kobayashi, p.183, pl.16, fig.7. Holotype. (missing)
- PA1759.\* *Taenicephalus megalops* Kobayashi, p.183, pl.16, fig.8a,b. Paratype.
- PA1760.\* *Taenicephalus megalops* Kobayashi, p.183, pl.16, fig.9. Paratype.
- PA1761.\* *Taenicephalus megalops* Kobayashi, p.183, pl.16, fig.10. Paratype.
- PA1762.\* *Taenicephalus megalops* Kobayashi, p.183, pl.16, fig.35. Syntype. (missing)
- PA1763.\* *Taenicephalus longifrons* Kobayashi, p.184, pl.16, fig.25. Syntype.
- PA1764.\* *Taenicephalus longifrons* Kobayashi, p.184, pl.16, fig.26. Syntype.
- PA1765.\* *Taenicephalus longifrons* Kobayashi, p.184, pl.16, fig.27. Syntype. (missing)
- PA1766.\* *Orygmaspis microphthalmus* Kobayashi, p.185, pl.15, fig.9. Holotype.
- PA1767.\* *Parabolinella evansi* Kobayashi, p.186, pl.16, fig.11.
- PA1768.\* *Parabolinella evansi* Kobayashi, p.186, pl.16, fig.12.
- PA1769.\* *Parabolinella evansi* Kobayashi, p.186, pl.16, fig.13. (missing)

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Kobayashi, T. (1938c): continued

- PA1770.\* *Parabolinella evansi* Kobayashi, p.186, pl.16, fig.14.  
PA1771.\* *Parabolinella evansi* Kobayashi, p.186, pl.16, fig.15.  
PA1772.\* *Crepicephalus columbiensis* Kobayashi, p.187, pl.15, fig.24. Syn-  
type.  
PA1773.\* *Crepicephalus columbiensis* Kobayashi, p.187, pl.15, fig.25. Syn-  
type.  
PA1774.\* *Crepicephalus columbiensis* Kobayashi, p.187, pl.15, fig.26. Syn-  
type. (missing)  
PA1775.\* *Crepicephalus columbiensis* Kobayashi, p.187, pl.15, fig.27. Syn-  
type.  
PA1776.\* *Crepicephalus columbiensis* Kobayashi, p.187, pl.15, fig.28. Syn-  
type.  
PA1777.\* *Onchonotus ovoidea* Kobayashi, p.188, pl.15, fig.35a,b. Holotype.  
PA1778.\* *Meteoraspis laticephalus* Kobayashi, p.188, pl.15, fig.34a,b.  
Holotype.  
PA1779.\* *Glyphaspis* (?) sp., p.189, pl.15, fig.29.  
PA1780.\* *Wilbernia* (?) *hunterensis* Kobayashi, p.189, pl.15, fig.5. Holo-  
type.  
PA1781.\* *Kaninia sulcata* Kobayashi, p.190, pl.15, fig.19. Holotype. (miss-  
ing)  
PA1782.\* *Kaninia sulcata* Kobayashi, p.190, pl.16, fig.36. Paratype.  
PA1783.\* *Kaninia sulcata* Kobayashi, p.190, pl.16, fig.37. Paratype.  
PA1784.\* *Kaninia sulcata* Kobayashi, p.190, pl.16, fig.38. Paratype.  
PA1785.\* *Kaniniella concinna* Kobayashi, p.191, pl.15, fig.20a,b. Holotype.  
PA1786.\* *Jubileia grandifrons* Kobayashi, p.191, pl.16, fig.28a,b. Holo-  
type.  
PA1787.\* *Briscoia* (?) *latimarginalis* Kobayashi, p.192, pl.15, fig.23.  
Holotype.  
PA1788.\* Gen. et sp. undt., p.153, pl.15, fig.18. (missing)

Only dental modeling casts are preserved in this museum. The original specimens are probably in the Geological Survey of Canada, Ottawa.

Kobayashi, T. (1938d): Restudy on the Lorenz's types of the Cambrian trilobites from Shantung. *Jour. Geol. Soc. Japan*, vol.45, no.543, pp.881-890.

- PA1791.\* *Peronopsis laiwuensis* (Lorenz), p.884, text-fig.10. (missing)

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Kobayashi, T. (1938d): continued

- PA1792.\* *Hypagnostus latelimbatus* (Lorenz), p.884, text-fig.11. (missing)  
PA1793.\* *Hypagnostus latelimbatus* (Lorenz), p.884, text-fig.12. (missing)  
PA1794.\* *Dorypyge laiwuensis* Kobayashi, p.887, text-fig.1. Holotype.  
PA1795.\* *Chuangia monkei* (Lorenz), p.887, text-fig.7. (missing)  
PA1796.\* *Chuangia buchrukeri* (Lorenz), p.887, text-fig.2.  
PA1797.\* *Chuangia* cfr. *batia* (Walcott), p.888, text-fig.3.  
PA1798.\* *Lioparia lorenzi* Kobayashi, p.888, text-fig.4. Holotype.  
PA1799.\* *Anomocarella chinensis* Walcott, p.888, text-fig.8.  
PA1800.\* *Anomocarella speciosa* (Lorenz), p.889, text-fig.9.  
PA1801.\* *Pseudoliostroacina blautoeides* (Lorenz), p.889, text-fig.5.  
PA1802.\* *Maladioides* or *Changshania* sp., p.890, text-fig.6.

Only dental modeling casts are preserved in this museum. The original specimens are in the Geological Institute, University, Freiburg.

Kobayashi, T. (1939): Restudy on Lorenz's *Raphistoma bröggeri* from Shantung with a note on *Pelagiella*. *Jubilee Publication in the Commemoration of Prof. H. Yabe's 60th Birthday*, vol.1, pp.283-288.

- PM1803.\* *Pelagiella* (*Parapelagiella*) *lorenzi* Kobayashi, p.283, text-fig. Holotype. (missing) [original specimen in the University, Freiburg]

Kobayashi, T. (1940a): Lower Ordovician fossils from Junee, Tasmania.

*Paper. Proc. Roy. Soc. Tasmania, 1939, pp.61-66, pl.11.*

- PM1804.\* *Lecanospira tasmanensis* Kobayashi, p.63, pl.11, fig.11. Holotype.  
PA1805.\* *Asaphopsis juneensis* Kobayashi, p.64, pl.11, fig.6. Holotype.  
PA1806.\* *Asaphopsis juneensis* Kobayashi, p.64, pl.11, fig.7. Paratype.  
PA1807.\* *Asaphopsis juneensis* Kobayashi, p.64, pl.11, fig.8. Paratype.  
PA1808.\* *Asaphopsis juneensis* Kobayashi, p.64, pl.11, fig.9. Paratype.  
PA1809.\* *Asaphopsis* (?) *gracilicostatus* Kobayashi, p.65, pl.11, fig.10. Holotype.  
PA1810a.\* *Tasmanaspis lewisi* Kobayashi, p.65, pl.11, fig.3. Holotype.  
PA1810b.\* *Tasmanaspis lewisi* Kobayashi, p.65, pl.11, fig.4. Paratype.  
PA1811.\* *Tasmanaspis longus* Kobayashi, p.66, pl.11, fig.5. Holotype.  
PB1812.\* *Orusia* (?) sp., p.62, pl.11, figs.1,2. (missing)

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Kobayashi, T. (1940a): continued

Only dental modeling and plaster casts are preserved in this museum. The original specimens are in the Tasmanian Museum and Art Gallery, Hobart.

Kobayashi, T. (1940b): Lower Ordovician fossils from Caroline Creek, near Latrobe, Mersey River district, Tasmania. *Paper. Proc. Roy. Soc. Tasmania*, 1939, pp.67-76, pl.12.

- PM1813.\* *Cryptolites* sp., p.68, pl.12, fig.22.  
PA1814.\* *Tasmanocephalus stephensi* (Etheridge), p.69, pl.12, fig.1.  
PA1815.\* *Tasmanocephalus stephensi* (Etheridge), p.69, pl.12, fig.2.  
PA1816.\* *Tasmanocephalus stephensi* (Etheridge), p.69, pl.12, fig.3.  
PA1817.\* *Tasmanocephalus stephensi* (Etheridge), p.69, pl.12, fig.4.  
PA1818.\* *Prosopiscus* (?) *subquadratus* Kobayashi, p.70, pl.12, fig.5. Holotype. (missing)  
PA1819.\* *Carolinites bulbosa* Kobayashi, p.70, pl.12, fig.6. Syntype.  
PA1820.\* *Carolinites bulbosa* Kobayashi, p.70, pl.12, fig.7. Syntype.  
PA1821.\* *Carolinites quadrata* Kobayashi, p.70, pl.12, fig.8. Syntype.  
PA1822.\* *Carolinites quadrata* Kobayashi, p.70, pl.12, fig.9. Syntype.  
PA1823.\* *Etheridgaspis carolinensis* (Etheridge), p.71, pl.12, fig.10.  
PA1824.\* *Etheridgaspis carolinensis* (Etheridge), p.71, fig.11. (missing)  
PA1825.\* *Etheridgaspis johnstoni* (Etheridge), p.72, pl.12, fig.12.  
PA1826.\* *Etheridgaspis johnstoni* (Etheridge), p.72, pl.12, fig.13.  
PA1827.\* *Etheridgaspis johnstoni* (Etheridge), p.72, pl.12, fig.14.  
PA1828a.\* (?) *Asaphellus lewisi* Kobayashi, p.74, pl.12, fig.16. Syntype.  
PA1828b.\* (?) *Asaphellus lewisi* Kobayashi, p.74, pl.12, fig.19. Syntype.  
PA1829.\* (?) *Asaphellus lewisi* Kobayashi, p.74, pl.12, fig.17. Syntype.  
PA1830.\* (?) *Asaphellus lewisi* Kobayashi, p.74, pl.12, fig.18. Syntype.  
PA1831.\* Gen. et sp. undet., p.67, pl.12, fig.15.

Only dental modeling and plaster casts are preserved in this museum. The original specimens are in the Tasmanian Museum and Art Gallery, Hobart.

Kobayashi, T. (1940c): Polydesmia, an Ordovician actinoceroid of eastern Asia. *Japan. Jour. Geol. Geogr.*, vol.17, nos.1-2, pp.27-44, pls.3-5.

PM0225. *Polydesmia shimamurai* (Kobayashi), p.41, pl.3, figs.9,10, pl.4,



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Kobayashi, T. (1940c): continued

- fig.25, pl.5, fig.24. (missing) [see also Kobayashi (1931b)]
- PM0226. *Polydesmia watanabei* (Kobayashi), p.40, pl.3, fig.8, pl.5, fig.23. (missing) [see also Kobayashi (1931b)]
- PM0227. *Polydesmia (Maruyamacerina) peshanense* (Kobayashi), p.43, pl.3, figs.12-16, pl.4, figs.27,29,30, pl.5, figs.26,28. (missing) [see also Kobayashi (1931b)] [error of *peshanensis*]
- PM0228.\* *Polydesmia* sp., p.42, pl.3, fig.11. (missing)
- PM1837.\* *Polydesmia canaliculata* Lorenz, p.34, pl.3, figs.1-3, pl.4, fig.17, pl.5, figs.18,19. (missing) [Tohoku University, Sendai]
- PM1838.\* *Polydesmia canaliculata* Lorenz forma *magna* Kobayashi, p.38, pl.3, figs.4-7, pl.4, figs.21,22, pl.5, fig.20. (missing) [original specimen in the Tohoku University, Sendai]

Kobayashi, T. (1940d): On the occurrence of *Taihungshania*, a characteristic Arenigian trilobite, in New Zealand. *Japan. Jour. Geol. Geogr.*, vol.17, nos.3-4, pp.195-201, pl.20.

- PA1832.\* *Taihungshania hectori* Reed, p.195, pl.20, figs.1,1'.
- PA1833.\* *Taihungshania hectori* Reed, p.195, pl.20, figs.2,2'.
- PA1834.\* *Taihungshania hectori* Reed, p.195, pl.20, figs.3,3'.
- PA1835.\* *Taihungshania hectori* Reed, p.195, pl.20, figs.4,4'.
- PA1836.\* Gen. et sp. indet., p.195, pl.20, fig.5.

Only dental modeling and plaster casts are preserved in this museum. The original specimens are in the New Zealand Geological Survey, Lower Hutt.

Kobayashi, T. (1941a): Studies on Cambrian trilobite genera and families (I). *Japan. Jour. Geol. Geogr.*, vol.18, nos.1-2, pp.25-40, pls.1,2.

- PA1839.\* *Drepanura premesnili* Bergeron, p.33, pl.1, fig.7, pl.2.

Only a dental modeling cast is preserved in this museum. The original specimen belonged to the Museum of Resources of Mancuria and Mongolia, Dairen, at that time.

Kobayashi, T. (1941b): Studies on Cambrian trilobite genera and families (II). *Japan. Jour. Geol. Geogr.*, vol.18, nos.1-2, pp.41-51, pl.3.

- PA1840.\* *Stephanocare richthofeni* Monke, p.47, pl.3.

Only a plaster cast is preserved in this museum. The original specimen belonged to the Preuss. Geol. Landesanst., Berlin, at that time.

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Kobayashi, T. (1941c): Studies on the genera and families of the Trilobita (III). *Japan. Jour. Geol. Geogr.*, vol.18, nos.1-2, pp.59-70, pls. 5,6.

PA1841.\* *Damesella paronai* (Airaghi), p.64, pl.5, fig.1.

PA1842.\* *Damesella paronai* (Airaghi), p.64, pl.5, fig.2.

PA1843.\* *Damesella paronai* (Airaghi), p.64, pl.5, fig.3.

PA1844.\* *Damesella paronai* (Airaghi), p.64, pl.5, figs.4,5.

Only plaster casts are preserved in this museum. The original specimens for PA1841, PA1842 and for PA1843, PA1844 belonged to the Preuss. Geol. Landesanst., Berlin, and the Instituto e Museo di Geologia e Paleontologia, R. Universita, Torino.

Kobayashi, T. (1941d): Occurrence of the Kushan trilobites in northern Anhui and a note on the Rakuroan complex of the Shankiang basin. *Jour. Geol. Soc. Japan*, vol.48, no.575, pp.403-409.

PA1846a. *Blackwelderia monkei* (Walcott), p.403, text-fig.1.

PA1846b. *Drepanura premesnili* Monke, p.403, text-fig.2.

PA1846c. *Teinistion lansi* (Monke), p.403, text-fig.3.

Kobayashi, T. (1941e): On some Ordovician nautiloids from Shuo-hsien in the Chinpei region, Menchiang (Sino-Mongoloan borderland). *Jour. Geol. Soc. Japan*, vol.48, no.576, pp.457-460, pl.10.

PM1847. *Stereoplasmodoceras* sp., p.458, pl.10, figs.1,2.

PM1848. *Armenoceras coulingi* (Grabau), p.458, pl.10, fig.3.

PM1849. *Armenoceras coulingi* (Grabau), p.458, pl.10, figs.4,5.

PM1850. *Armenoceras coulingi* (Grabau), p.458, pl.10, figs.6,7.

Kobayashi, T. (1942a): Two new trilobites genera, Hamashania and Kirkella. *Jour. Geol. Soc. Japan*, vol.49, no.580, pp.37-40.

PA1859. *Hamashania pulchra* Kobayashi, p.38, text-fig.1.

PA1860. *Hamashania pulchra* Kobayashi, p.38, text-figs.2,3. Holotype.

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Kobayashi, T. (1942b): Some new trilobites in the Kushan stage in Shantung. *Jour. Geol. Soc. Japan*, vol.49, no.580, pp.41-44.

PA1862a.\* *Blackwelderia biloba* Kobayashi, p.43, pl.2, fig.4. Holotype.

PA1862b.\* *Dorypygella longa* Kobayashi, p.43, pl.2, fig.5. Holotype.

PA1862c.\* Free cheek, gen. et sp. indet., p.44, pl.2, figs.1,2.

Only dental modeling casts are preserved in this museum. The original specimens belonged to the National University of Peking at that time.

Kobayashi, T. (1942c): Studies on Cambrian trilobite genera and families (IV). *Japan. Jour. Geol. Geogr.*, vol.18, no.4, pp.197-212, pls.20,21.

PA1845.\* *Blackwelderia sinensis* (Bergeron), p.201, pl.20, figs.1-8.

Only plaster casts are preserved in this museum. The original specimen belonged to the Museum of the Resources of Manchuria and Mongolia, Dairen, at that time.

Kobayashi, T. (1942d): The Rakuroan complex of the Shansi basin and its surroundings. *Japan. Jour. Geol. Geogr.*, vol.18, no.4, pp.283-306.

PA1919.\* *Linchengia onigawara* Kobayashi, p.297, text-fig.1. Holotype. (missing)

PA1920.\* *Mareda mukazegata* Kobayashi, p.297, text-fig.2. Syntype. (missing)

PA1921.\* *Mareda mukazegata* Kobayashi, p.297, text-fig.3. Syntype. (missing)

The original specimens probably belonged to the Geological Institute of the National University of Peking at that time.

Kobayashi, T. (1942e): On the Dolichometopinae. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.6, part 10, pp.141-206, pls.1-4.

PA1863.\* *Amphoton deois* (Walcott), p.175, pl.1, fig.10, pl.3, fig.6.

PA1864.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.1. Syntype.

PA1865.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.2. Syntype.

PA1866.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.3. Syntype.

PA1867.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.4. Syntype.

PA1868.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.5. Syntype.

PA1869.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.6. Syntype.

PA1870.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.7. Syntype.

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Kobayashi, T. (1942e): continued

- PA1871.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.8. Syntype.  
PA1872.\* *Amphoton (Sunia) typica* Kobayashi, p.176, pl.1, fig.9. Syntype.  
PA1873. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.12.  
(missing)  
PA1874. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, figs.  
13,15.  
PA1875. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.14.  
(missing)  
PA1876. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.16.  
PA1877. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.17.  
PA1878. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.18.  
PA1879. *Amphoton (Fuchouia) manchuriensis* (Walcott), p.178, pl.1, fig.19.  
(missing)  
PA1880.\* *Athabaskia ostermeri* Raymond, p.156, pl.1, fig.11.  
PA1881.\* *Dolichometopus svecicus* Angelin, p.170, pl.2, fig.3.  
PA1882.\* *Dolichometopus svecicus* Angelin, p.170, pl.2, fig.4.  
PA1883.\* *Poliella anteros* (Walcott), p.153, pl.2, fig.15.

Only dental modeling or plaster casts are preserved in this museum for the specimens with an asterisk. The original specimens for PA1863 belonged to the Geological Survey of China, for PA1864-1872 to the National University of Peking, for PA1880 and 1883 to the U. S. National Museum, Washington, D. C., and for PA1881 and 1882 to the Riksmuseum, Stockholm.

Kobayashi, T. (1942f): Two Cambrian trilobites from the Parara limestone in the Yorke's Peninsula, South Australia. *Proc. Imp. Acad. Tokyo*, vol. 18, no.8, pp.492-498.

- PA1884.\* *Yorkella australis* (Woodward), p.492, text-fig.5. [=PA1135]  
PA1885.\* *Yorkella australis* (Woodward), p.492, text-fig.6. [=PA1136]  
PA1886.\* *Pararaia tatei* (Woodward), p.494, text-fig.2. (missing)  
PA1887.\* *Pararaia tatei* (Woodward), p.494, text-fig.3. (missing)  
PA1888.\* *Pararaia tatei* (Woodward), p.494, text-fig.4. [=PA1086]

Only plaster casts are preserved in this museum. They were taken from the plaster casts preserved in the U. S. National Museum, Washington, D. C.

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Kobayashi, T. (1942g): A few Cambrian trilobites from southwestern Shansi.

*Jour. Geol. Soc. Japan*, vol.49, no.591, pp.463-467, pl.18.

PA1889.\* *Mesocrepecephalus* cfr. *magna* (Walcott), p.464, pl.18, fig.2.

PA1890.\* *Crepicephalina* (?) sp. aff. *C. convexa* (Walcott), p.465, pl.18, fig.3.

PA1891.\* *Probowmania ligea* (Walcott) var. *quadrata* Kobayashi, p.465, pl.18, fig.4. Syntype.

PA1892.\* *Probowmania ligea* (Walcott) var. *quadrata* Kobayashi, p.465, pl.18, fig.5. Syntype.

PA1893.\* *Metagraulos* (?) *intermedius* Kobayashi, p.465, pl.18, fig.6. Syntype.

PA1894.\* *Metagraulos* (?) *intermedius* Kobayashi, p.465, pl.18, fig.7. Syntype.

PA1895.\* *Metagraulos* (?) *intermedius* Kobayashi, p.465, pl.18, fig.8. Syntype.

PA1896.\* *Metagraulos* (?) *intermedius* Kobayashi, p.465, pl.18, fig.9. Syntype. (missing)

PA1897.\* *Metagraulos* (?) *intermedius* Kobayashi, p.465, pl.18, fig.10. Syntype.

PA1898.\* *Peishania* (?) *semicircularis* Kobayashi, p.466, pl.18, fig.1. Holotype.

Only plaster casts are preserved in this museum. The original specimens belonged to the National University of Peking at that time.

Kobayashi, T. (1942h): An occurrence of Dolichometopsids in south Chōsen with a summary note on the classification of the Dolichometopinae.

*Jour. Geol. Soc. Japan*, vol.49, no.591, pp.468-475, pl.18.

PA1899. *Amphoton derceto* (Walcott) var. *spinula* Kobayashi, p.474, pl.18, fig.12. Syntype.

PA1900. *Amphoton derceto* (Walcott) var. *spinula* Kobayashi, p.474, pl.18, fig.13. Syntype.

PA1901. *Amphoton microllops* Kobayashi, p.474, pl.18, fig.11. Holotype.

Kobayashi, T. (1943a): Brief notes on the eodiscids I, their classification with a description of a new species and a new variety. *Proc. Imp. Acad. Tokyo*, vol.19, no.1, pp.37-42.

PA1969. *Metadiscus bunkeiensis* Kobayashi, p.41, text-fig.1. Syntype.

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Kobayashi, T. (1943a): continued

- PA1970. *Metadiscus bunkeiensis* Kobayashi, p.41, text-fig.3. Syntype.  
PA1971. *Metadiscus bunkeiensis* Kobayashi, p.41, text-fig.5. Syntype.  
(missing)  
PA1972. *Metadiscus bunkeiensis* var. *sulcata* Kobayashi, p.41, text-fig.2.  
Syntype.  
PA1973. *Metadiscus bunkeiensis* var. *sulcata* Kobayashi, p.41, text-fig.4.  
Syntype.

Kobayashi, T. (1943b): Description of two complete specimens of *Anomocarella*. *Jour. Geol. Soc. Japan*, vol.50, no.598, pp.203-206.

- PA1974.\* *Anomocarella temenus* (Walcott), p.203, text-figs.1a,b.  
PA1975.\* *Anomocarella* cfr. *temenus* (Walcott), p.204, text-fig.2a,b.

Only plaster casts are preserved in this museum. The original specimen belonged to the Catholic University in Peking at that time.

Kobayashi, T. (1943c): Cambrian faunas of Siberia. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.6, part 12, pp.271-334, pls.1-3.

- PA1922.\* *Clavagnostus repandiformis* Kobayashi, p.307, pl.2, fig.18. Holotype. (missing)  
PA1923.\* *Clavagnostus repandiformis* Kobayashi, p.307, pl.2, fig.19. Paratype. (missing)  
PA1924.\* *Clavagnostus* cfr. *repandiformis* Kobayashi, p.308, pl.2, fig.20. (missing)  
PA1925.\* *Hamagnostus euryrachis* Kobayashi, p.309, pl.2, fig.15. Paratype. (missing)  
PA1926.\* *Hamagnostus euryrachis* Kobayashi, p.309, pl.2, fig.16. Paratype. (missing)  
PA1927.\* *Hamagnostus euryrachis* Kobayashi, p.309, pl.2, fig.17. Holotype. (missing)  
PA1928.\* *Schmidtaspis sibiricus* Kobayashi, p.310, pl.3, figs.5,6. Holotype.  
PA1929.\* *Girandia typa* Kobayashi, p.312, pl.2, fig.6. Holotype.  
PA1930.\* *Girandia typa* Kobayashi, p.312, pl.2, fig.7. Paratype.  
PA1931.\* *Koldinia microphthalma* Kobayashi, p.313, pl.3, figs.9,10. Holotype. (missing)  
PA1932.\* *Koldinia microphthalma* Kobayashi, p.313, pl.3, figs.11,12. Para-

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Kobayashi, T. (1943c): continued

type. (missing)

- PA1933.\* *Koldinia microphthalma* Kobayashi, p.313, pl.3, fig.13. Paratype.  
(missing)
- PA1934.\* *Koldinia microphthalma* Kobayashi, p.313, pl.3, fig.14. Paratype.  
(missing)
- PA1935.\* *Koldinia microphthalma* Kobayashi, p.313, pl.3, fig.15. Paratype.  
(missing)
- PA1936.\* *Koldinia minor* Kobayashi, p.314, pl.2, fig.12. Paratype.(missing)
- PA1937.\* *Koldinia minor* Kobayashi, p.314, pl.2, fig.13. Paratype.(missing)
- PA1938.\* *Koldinia minor* Kobayashi, p.314, pl.3, fig.7. Holotype. (missing)
- PA1939.\* *Koldinia minor* Kobayashi, p.314, pl.3, fig.8. Paratype. (missing)
- PA1940.\* *Tollaspis* cfr. *pawlowskii* (Schmidt), p.315, pl.1, fig.6.
- PA1941.\* *Tollaspis* cfr. *pawlowskii* (Schmidt), p.315, pl.1, fig.7.
- PA1942.\* *Tollaspis* cfr. *pawlowskii* (Schmidt), p.315, pl.1, fig.8.
- PA1943.\* *Plethopeltis stenorhachis* Kobayashi [error of *stenorachis*], p.  
320, pl.1, fig.5. Holotype. (missing)
- PA1944.\* *Bowmania lermantovae* Kobayashi, p.321, pl.3, fig.19. Holotype.
- PA1945.\* *Solenoparia megalops* Kobayashi, p.321, pl.2, fig.2. Syntype.  
(missing)
- PA1946.\* *Solenoparia megalops* Kobayashi, p.321, pl.2, fig.3. Syntype.  
(missing)
- PA1947.\* *Solenoparia megalops* Kobayashi, p.321, pl.2, fig.4. Syntype.  
(missing)
- PA1948.\* *Solenoparia megalops* Kobayashi, p.321, pl.2, fig.5. Syntype.  
(missing)
- PA1949.\* *Solenoparia brevifrons* Kobayashi, p.322, pl.1, fig.11. Holotype.  
(missing)
- PA1950.\* *Modocia* (?) *obrutschewi* Kobayashi, p.323, pl.3, fig.18. Holotype.  
(missing)
- PA1951.\* *Kotuia anomocaroides* Kobayashi, p.323, pl.2, fig.8. Syntype.
- PA1952.\* *Kotuia anomocaroides* Kobayashi, p.323, pl.2, fig.9. Syntype.
- PA1953.\* *Kotuia anomocaroides* Kobayashi, p.323, pl.2, fig.10. Syntype.
- PA1954.\* *Kotuia anomocaroides* Kobayashi, p.323, pl.2, fig.11. Syntype.
- PA1955.\* *Lecanopleura* (?) *glabella* Kobayashi, p.324, pl.3, fig.1. Syntype.  
(missing)
- PA1956.\* *Lecanopleura* (?) *glabella* Kobayashi, p.324, pl.3, fig.2. Syntype.  
(missing)

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Kobayashi, T. (1943c): continued

- PA1957.\* *Lecanopleura* (?) *glabella* Kobayashi, p.324, pl.3, fig.3. Syntype. (missing)
- PA1958.\* *Lecanopleura* (?) *glabella* Kobayashi, p.324, pl.3, fig.4. Syntype. (missing)
- PA1959.\* *Manchuriella septentrionalis* Kobayashi, p.325, pl.1, fig.1. Syntype. (missing)
- PA1960.\* *Manchuriella septentrionalis* Kobayashi, p.325, pl.1, fig.2. Syntype. (missing)
- PA1961.\* *Manchuriella septentrionalis* Kobayashi, p.325, pl.1, fig.3. Syntype. (missing)
- PA1962.\* *Manchuriella septentrionalis* Kobayashi, p.325, pl.1, fig.4. Syntype. (missing)
- PA1963.\* *Manchuriella sibirica* Kobayashi, p.325, pl.1, fig.9. Syntype. (missing)
- PA1964.\* *Manchuriella sibirica* Kobayashi, p.325, pl.1, fig.10. Syntype. (missing)
- PA1965.\* *Manchuriella* (?) *disparilis* Kobayashi, p.326, pl.2, fig.1. Holotype. (missing)
- PA1966.\* *Esseigania tolli* Kobayashi, p.326, pl.3, fig.17. Holotype. (missing)
- PA1967.\* *Hypostoma*, gen. et sp. indet., p.327, pl.3, fig.16. (missing)
- PA1968.\* *Pygidium*, gen. et sp. indet., p.327, pl.2, fig.14. (missing)

Only plaster casts are preserved in this museum. The original specimens belonged to the Carnegie Museum, Pittsburgh, at that time.

Kobayashi, T. (1944a): The Cambrian formation in the middle Yangtze valley and some trilobites contained therein. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.89-105, pl.8.

- PA1976.\* *Redlichia mansuyi* Endo and Resser, p.100, pl.8, fig.6. (missing)
- PA1977.\* *Redlichia mansuyi* Endo and Resser, p.100, pl.8, fig.7. (missing)
- PA1978.\* *Redlichia mansuyi* Endo and Resser, p.100, pl.8, figs.8,9. (missing)
- PA1979.\* *Sinolenus trapezoidalis* Kobayashi, p.102, pl.8, fig.5. Holotype. (missing)
- PA1980.\* *Hupeia pulchra* Kobayashi, p.103, pl.8, figs.1,2. Holotype.
- PA1981.\* *Hupeia pulchra* Kobayashi, p.103, pl.8, figs.3,4. Paratype.



KOBAYASHI

Kobayashi, T. (1944a): continued

Only plaster casts are preserved in this museum. The original specimens belonged to the National University of Peking at that time.

Kobayashi, T. (1944b): On the Cambrian formations in Yunnan and Haut-Tonkin and the trilobites contained. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.107-138, pls.9,10.

PA1982.\* *Redlichia verneau* (Mansuy), p.128, pl.10, fig.3.

PA1983.\* *Redlichia verneau* (Mansuy), p.128, pl.10, fig.4.

PA1984.\* *Palaeolenus lantenoisi* Mansuy, p.130, pl.10, fig.10. (missing)

PA1985.\* *Wutingaspis tingi* Kobayashi, p.131, pl.10, fig.7. Syntype.

PA1986.\* *Wutingaspis tingi* Kobayashi, p.131, pl.10, fig.8. Syntype. (missing)

PA1987.\* *Wutingaspis conditus* Kobayashi, p.132, pl.10, fig.9. Holotype.

PA1988.\* *Yunnanoccephalus yaoyingensis* Kobayashi, p.132, pl.10, fig.6. Holotype. (missing)

PA1989.\* *Redlichia* (?) sp., p.114, pl.10, fig.5. (missing)

Only plaster casts are preserved in this museum. The original specimen belonged to the National University of Peking at that time.

Kobayashi, T. (1944c): On the Cambrian sea-connection between south Chosen and eastern Tianshan. *Proc. Imp. Acad. Tokyo*, vol.20, no.2, pp.100-103.

PA1990. *Hedinia regalis* Troedsson, p.102, text-fig.a.

Kobayashi, T. (1944d): The discovery of *Olenus* in south Chosen. *Proc. Imp. Acad. Tokyo*, vol.20, no.4, pp.227-233.

PA1991. *Olenus asiaticus* Kobayashi, p.229, text-fig.1a,b. Holotype.

PA1993. *Acrocephalina trisulcata* Kobayashi, p.230, text-fig.5. Holotype.

Kobayashi, T. (1945): *Notaculites toyomensis*, a new trail found in the Upper Permian Toyoma Series in Nippon. *Japan. Jour. Geol. Geogr.*, vol.20, no.1, pp.13-18, pl.2.

PW1994. *Notaculites toyomensis* Kobayashi, p.15, pl.2. Syntype.

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Kobayashi, T. (1947): On the occurrence of Seymourites in Nippon and its bearing on the Jurassic palaeogeography. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.19-31, pls.7,8.

- MM7049. *Kepplerites (Seymourites) japonicus* Kobayashi, p.27, pl.7. Holotype.
- MM7050.\* *Kepplerites (Seymourites) acuticostum* Kobayashi, p.28, pl.7, fig.2. Holotype. [The original specimen is in the National Science Museum, Tokyo.]
- MM7051. *Kepplerites (Seymourites) kuzuryuensis* Kobayashi, p.29, pl.7, fig.3. Holotype.
- MM7083. *Kepplerites (Seymourites) cfr. acuticostum* Kobayashi, p.29, pl.8, figs.1,2.

Kobayashi, T. (1949): The Glyptagnostus hemera, the oldest world-instant. *Japan. Jour. Geol. Geogr.*, vol.21, nos.1-4, pp.1-6, pl.1.

- PA1991. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.3.
- PA1993. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, figs.8,12.
- PA1995. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, figs.1,13,14.
- PA1996. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, figs.2,7.
- PA1997. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.4.
- PA1998. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.5.
- PA1999. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.6.
- PA2000. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.9.
- PA2001. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.10. (missing)
- PA2002. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.11. (missing)
- PA2003. *Glyptagnostus reticulatus* (Angelin), p.2, pl.1, fig.15.

Kobayashi, T. (1951a): Older Mesozoic Estherites from eastern Asia. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, part 10, pp.431-440, pl.1.

- MA4740a. *Estherites koreanica* (Ozawa and Watanabe), p.433, pl.1, fig.12a.
- MA4740b. *Estherites rampoensis* Kobayashi, p.435, pl.1, fig.2. Paratype.
- MA4740c. *Estherites kawasakii* (Ozawa and Watanabe), p.436, pl.1, fig.12b.
- MA4741. *Estherites cycloides* Kobayashi, p.434, pl.1, fig.1. Holotype.
- MA4742. *Estherites cycloides* Kobayashi, p.434, pl.1, fig.2. Paratype.
- MA4743. *Estherites khinganensis* Kobayashi, p.435, pl.1, fig.3. Holotype.

KOBAYASHI

Kobayashi, T. (1951a): continued

- MA4744a. *Estherites tanii* Kobayashi, p.437, pl.1, figs.5,15. Paratype.  
MA4744b. *Estherites* cfr. *transbaikalica* (Chernychev), p.438, pl.1, fig.4.  
MA4744c. *Estherites* sp. aff. *E. reticulata* (Chernychev), p.439, pl.1, fig.9.  
MA4745. *Estherites tanii* Kobayashi, p.437, pl.1, fig.11. Holotype.  
MA4746a. *Estherites shimamurai* Kobayashi, p.437, pl.1, fig.6a. Holotype. (missing)  
MA4746b. *Estherites shimamurai* Kobayashi, p.437, pl.1, fig.6b. Paratype. (missing)  
MA4747. *Estherites shimamurai* Kobayashi, p.437, pl.1, fig.7. Paratype. (missing)  
MA4748. *Estherites shimamurai* Kobayashi, p.437, pl.1, fig.8. Paratype. (missing)  
MA4749. *Estherites shimamurai* Kobayashi, p.437, pl.1, fig.14. Paratype. (missing)  
MA4750. *Estherites* sp. aff. *E. rampoensis* Kobayashi, p.435, pl.1, fig.10. (missing)

Kobayashi, T. (1951b): On the late Upper Cambrian (Fengshanian) fauna in eastern Jehol. *Trans. Proc. Paleont. Soc. Japan*, N. S., no.3, pp.75-80, pl.7.

- PB2004. *Billingsella jeholensis* Kobayashi, p.76, pl.7, fig.1. Paratype.  
PB2005. *Billingsella jeholensis* Kobayashi, p.76, pl.7, fig.2. Holotype.  
PB2006. *Billingsella jeholensis* Kobayashi, p.76, pl.7, fig.3. Paratype.  
PB2007. *Billingsella jeholensis* Kobayashi, p.76, pl.7, fig.4. Paratype.  
PA2008. *Pseudagnostus jeholensis* Kobayashi, p.76, pl.7, fig.13. Paratype.  
PA2009. *Pseudagnostus jeholensis* Kobayashi, p.76, pl.7, fig.14. Holotype.  
PA2010. *Haniwa quadrata* Kobayashi, p.77, pl.7, fig.5.  
PA2011. *Haniwa quadrata* Kobayashi, p.77, pl.7, fig.6.  
PA2012. *Haniwa quadrata* Kobayashi, p.77, pl.7, fig.7.  
PA2013. *Pseudosaukia suni* Kobayashi, p.78, pl.7, fig.8. Holotype.  
PA2014. *Pseudosaukia suni* Kobayashi, p.78, pl.7, fig.9. Paratype.  
PA2015. *Pseudosaukia suni* Kobayashi, p.78, pl.7, fig.10. Paratype.  
PA2016. *Pseudosaukia suni* Kobayashi, p.78, pl.7, fig.11. Paratype.  
PA2017. *Saukid-pygidium*, gen. and sp. undt., p.79, pl.7, fig.12.

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Kobayashi, T. (1951c): On the Ordovician trilobites in central China.

*Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.8, part 1, pp.1-87, pls.1-5.

- PM2018.\* *Cleidophorus szechuanensis* Kobayashi, p.12, pl.1, fig.14. Holotype.
- PA2019.\* *Hagiorites omeishanensis* Kobayashi, p.13, pl.1, fig.11. Holotype. (missing)
- PA2020.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.1.
- PA2021.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.2.
- PA2022.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.3.
- PA2023.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.4. (missing)
- PA2024.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.5.
- PA2025.\* *Taihungshania brevica* Sun, p.14, pl.1, fig.6.
- PA2026.\* *Omeipsis huangi* (Sun), p.16, pl.1, fig.7. (missing)
- PA2027.\* *Omeipsis huangi* (Sun), p.16, pl.1, fig.8. (missing)
- PA2028.\* *Omeipsis huangi* (Sun), p.16, pl.1, fig.9.
- PA2029.\* *Omeipsis huangi* (Sun), p.16, pl.1, fig.10. (missing)
- PA2030.\* *Isoteloides* (?) *hupeiensis* (Sun), p.16, pl.1, fig.13.
- PA2031.\* *Isoteloides* (?) *hupeiensis* (Sun), p.16, pl.4, fig.3.
- PA2032.\* *Illaenus suni* Kobayashi, p.17, pl.1, fig.12. Holotype.
- PA2033.\* *Asaphus* cfr. *platyurus* Angelin, p.26, pl.4, fig.9.
- PA2034.\* *Isoteloides usuii* (Yabe), p.27, pl.2, figs.7,8.
- PA2035.\* *Ptychopyge orientalis* Kobayashi, p.29, pl.2, figs.3,4. Holotype.
- PA2036.\* *Ptychopyge neichiensis* Kobayashi, p.30, pl.2, figs.5,6. Holotype.
- PA2037.\* *Basiliella yunnanensis* (Reed), p.33, pl.4, figs.7,8.
- PA2038.\* *Illaenus sinensis* Yabe, p.35, pl.2, figs.1,2.
- PA2039.\* *Illaenus sinensis* var. *euryrachis* Kobayashi, p.36, pl.3, figs. 1-5. Holotype. (missing)
- PA2040.\* *Illaenus holmi* Sun, p.37, pl.3, fig.6.
- PA2041.\* *Synhomalonotus kayseri* Kobayashi, p.41, pl.3, fig.7. Holotype.
- PA2042.\* *Pharostoma parapulchra* Kobayashi, p.46, pl.3, fig.9. Holotype.
- PA2043.\* *Reedolithus richthofeni* (Kayser), p.48, pl.3, fig.8. (missing)
- PB2044.\* *Acrothele* sp., p.9, pl.4, fig.1. (missing)
- PB2045.\* Orthid, gen. and sp. indet., p.9, pl.4, fig.2. (missing)
- PB2046.\* Immature cranidium of a taihungshanid, p.14, pl.4, fig.4. (missing)

KOBAYASHI

Kobayashi, T. (1951c): continued

Only plaster or dental modeling casts are preserved in this museum. The original specimens for PA2034, 2035 and 2038 are in the Tohoku University, Sendai, and for PA2041 and 2043 in the Geol. Inst., University of Berlin. Other original specimens belonged to the National University of Peking.

Kobayashi, T. (1952): On Mansuyia and the Tsinanidae. *Trans. Proc. Pal. Soc. Japan*, N. S., no.5, pp.145-154, pl.13.

- PA2054.\* *Mansuyia tani* Sun, p.146, pl.13, fig.16. [Nat. Univ. of Peking]  
PA2055.\* *Mansuyia tani* Sun, p.146, pl.13, fig.17. [Nat. Univ. of Peking]  
PA2056.\* *Mansuyia tani* Sun, p.146, pl.13, fig.18. [Tohoku Univ., Sendai]  
PA2057.\* *Mansuyia orientalis* Sun, p.146, pl.13, fig.13. [Nat. Univ. of Peking]  
PA2058.\* *Mansuyia orientalis* Sun, p.146, pl.13, fig.14. [Nat. Univ. of Peking]  
PA2059. *Mansuyia orientalis* Sun, p.146, pl.13, fig.15. [Nat. Univ. of Peking]  
PA2060. *Tsinania canens* (Walcott), p.150, pl.13, fig.1.  
PA2061. *Tsinania canens* (Walcott), p.150, pl.13, fig.2.  
PA2062. *Tsinania canens* (Walcott), p.150, pl.13, fig.3.  
PA2063. *Tsinania canens* (Walcott), p.150, pl.13, fig.4.  
PA2064. *Tsinania canens* (Walcott), p.150, pl.13, fig.5.  
PA2065. *Tsinania canens* (Walcott), p.150, pl.13, fig.6.  
PA2066. *Tsinania canens* (Walcott), p.150, pl.13, fig.7.  
PA2067. *Tsinania canens* (Walcott), p.150, pl.13, fig.8.  
PA2068. *Tsinania humilis* Kobayashi, p.152, pl.13, fig.9.  
PA2069. *Tsinania humilis* Kobayashi, p.152, pl.13, fig.10.  
PA2070. *Tsinania humilis* Kobayashi, p.152, pl.13, fig.11.  
PA2071. *Dictyella ozawai* Kobayashi, p.153, pl.13, fig.12.

Kobayashi, T. (1953): On the Kainellidae. *Japan. Jour. Geol. Geogr.*, vol.23, pp.37-61, pls.3,4.

- PA2072. *Kainella euryrachis* Kobayashi, p.45, pl.3, fig.9. Holotype.  
PA2073.\* *Kainella flagricauda* (White), p.45, pl.3, fig.5.  
PA2074.\* *Kainella stenorachis* Kobayashi, p.46, pl.3, fig.6. Paratype.  
PA2075.\* *Kainella stenorachis* Kobayashi, p.46, pl.3, fig.7. Holotype.  
PA2076. *Pseudokainella iwayai* Kobayashi, p.46, pl.3, fig.12. Holotype.  
PA2077. *Pseudokainella iwayai* Kobayashi, p.46, pl.3, fig.13. Paratype.

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Kobayashi, T. (1953): continued

- PA2078. *Pseudokainella iwayai* Kobayashi, p.46, pl.3, fig.14. Paratype.  
PA2079. *Pseudokainella* a sp., p.47, pl.3, fig.16.  
PA2080. *Pseudokainella* (?) b sp., p.47, pl.3, fig.10.  
PA2081. *Pseudokainella* (?) b sp., p.47, pl.3, fig.11.  
PA2082.\* *Lingukainella robusta* Kobayashi, p.48, pl.3, fig.8. Holotype.  
PA2083. *Hukasawaia cylindrica* Kobayashi, p.50, pl.3, fig.15. Holotype.  
PA2084a.\* *Apatokephalus canadensis* Kobayashi, p.52, pl.3, fig.1. Holotype.  
PA2084b.\* *Apatokephalus canadensis* Kobayashi, p.52, pl.3, fig.2. Paratype.  
PA2085.\* *Apatokephalus canadensis* Kobayashi, p.52, pl.3, fig.3. Paratype.  
PA2086.\* *Apatokephalus canadensis* Kobayashi, p.52, pl.3, fig.4. Paratype.  
PA2087. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.17. Paratype.  
PA2088. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.18. Paratype.  
PA2089. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.19. Paratype.  
PA2090a. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.20. Holotype.  
PA2090b. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, figs.20,21. Paratype.  
PA2091. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.22. Paratype.  
PA2092. *Apatokephalus hyotan* Kobayashi, p.52, pl.3, fig.23. Paratype.

Only plaster casts are preserved in this museum for the specimens with an asterisk. The original specimens belonged to the Victoria Memorial Museum, Ottawa.

Kobayashi, T. (1954): On the Komaspidae. *Japan. Jour. Geol. Geogr.*, vol. 24, pp.23-44, pl.6.

- PA2093. *Komaspis* (*Parairvingella*) *convexus* Kobayashi, p.34, pl.6, fig. 11a,b.

Kobayashi, T. (1955a): The Ordovician fossils from the McKay Group in British Columbia. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.9, part 3, pp.355-493, pls.1-9.

- PM2108.\* *Eobucania pulchra* Kobayashi, p.404, pl.1, fig.1a-f. Holotype. (missing)  
PM2109.\* *Raphistomina sinclairensis* Kobayashi, p.405, pl.1, fig.2a-c. Holotype.  
PM2110.\* *Raphistomina sinclairensis* Kobayashi, p.405, pl.1, fig.3. Paratype.

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Kobayashi, T. (1955a): continued

- PM2111.\* *Raphistomina sinclairensis* var. *acuta* Kobayashi, p.406, pl.1, fig.4a,b. Holotype.
- PM2112.\* *Burnesella tympama* Kobayashi, p.406, pl.1, fig.5a-c. Holotype. (missing)
- PM2113.\* *Ozarkispira leo* Walcott, p.408, pl.1, fig.6a-c. (missing)
- PM2114.\* *Lytospira mediosulcata* Kobayashi, p.408, pl.1, fig.7. Holotype. (missing)
- PM2115.\* *Robsonoceras* sp., p.409, pl.1, fig.8a-c.
- PA2116.\* *Kainella kindlei* Kobayashi, p.413, pl.2, fig.1. Holotype.
- PA2117.\* *Apatokephalus canadensis* Kobayashi, p.414, pl.2, fig.2.
- PA2118.\* *Protopliomerops subquadratus* Kobayashi, p.414, pl.2, fig.3. Holotype.
- PA2119.\* *Protopliomerops subquadratus* Kobayashi, p.414, pl.2, fig.4. Paratype.
- PA2120.\* *Protopliomerops radiatus* Kobayashi, p.416, pl.2, fig.5a,b. Holotype.
- PA2121.\* *Protopliomerops radiatus* Kobayashi, p.416, pl.2, fig.6. Paratype.
- PA2122.\* *Protopliomerops longispinus* Kobayashi, p.417, pl.2, fig.7. Holotype.
- PA2123.\* *Tesselacauda flabella* Kobayashi, p.417, pl.2, fig.8a,b. Holotype.
- PA2124.\* *Telephus pacificus* Kobayashi, p.419, pl.2, fig.9a,b. Holotype.
- PA2125.\* *Telephus pacificus* Kobayashi, p.419, pl.2, fig.10. Paratype.
- PA2126.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.11. Holotype.
- PA2127.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.12. Paratype.
- PA2128.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.13. Paratype.
- PA2129.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.14. Paratype.
- PA2130.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.15. Paratype.
- PA2131.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.16. Paratype.
- PA2132.\* *Leiostegium (Evansaspis) glabrum* Kobayashi, p.421, pl.2, fig.17. Paratype.
- PA2133.\* *Hyperbolochilus expansus* Kobayashi, p.422, pl.3, fig.1. Holotype.
- PA2134.\* Nileidae (?) gen. and sp. indt., p.425, pl.5, fig.20.

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Kobayashi, T. (1955a): continued

- PA2135.\* Nileidae (?), gen. and sp. indt., p.425, pl.5, fig.21.
- PA2136.\* *Symphysurina* (*Symphysurina*) *spicata* Ulrich, p.430, pl.3, fig.8.
- PA2137.\* *Symphysurina* (*Symphysurina*) *spicata* Ulrich, p.430, pl.3, fig.9.
- PA2138.\* *Symphysurina* (*Symphysurina*) *spicata* var. *eugenia* Walcott, p.430, pl.3, fig.22.
- PA2139.\* *Symphysurina* (*Symphysurina*) cfr. *corlissensis* (Raymond), p.431, pl.7, fig.22a,b.
- PA2140.\* *Symphysurina* (*Symphysuroides*) *elegans* Poulsen, p.432, pl.3, fig.19.
- PA2141.\* *Symphysurina* (*Symphysuroides*) *elegans* Poulsen, p.432, pl.3, fig.20. (missing)
- PA2142.\* *Symphysurina* (*Symphysuroides*) *elegans* Poulsen, p.432, pl.3, fig.21.
- PA2143.\* *Symphysurina* (*Symphysuroides*) *expansa* Kobayashi, p.432, pl.3, fig.6a,b. Holotype. (missing)
- PA2144.\* *Symphysurina* (*Symphysuroides*) *expansa* Kobayashi, p.432, pl.3, fig.7. Paratype. (missing)
- PA2145.\* *Symphysurina* (*Symphysuroides*) cfr. *brevispicata* Hintze, p.433, pl.3, fig.15.
- PA2146.\* *Symphysurina* (*Symphysuroides*) cfr. *brevispicata* Hintze, p.433, pl.3, fig.16.
- PA2147.\* *Symphysurina* (*Symphysuroides*) cfr. *brevispicata* Hintze, p.433, pl.3, fig.17.
- PA2148.\* *Symphysurina* (*Symphysuroides*) cfr. *brevispicata* Hintze, p.433, pl.3, fig.18.
- PA2149.\* *Symphysurina* a sp., p.433, pl.3, fig.10.
- PA2150.\* *Symphysurina* a sp., p.433, pl.3, fig.11.
- PA2151.\* *Symphysurina* b sp., p.433, pl.3, fig.12.
- PA2152.\* *Symphysurina* b sp., p.433, pl.3, fig.13.
- PA2153.\* *Symphysurina* b sp., p.433, pl.3, fig.14.
- PA2154.\* *Bellefontia platana* Kobayashi, p.436, pl.3, fig.2. Holotype.
- PA2155.\* *Bellefontia platana* Kobayashi, p.436, pl.3, fig.3. Paratype.
- PA2156.\* *Bellefontia platana* Kobayashi, p.436, pl.3, fig.4. Paratype.
- PA2157.\* *Bellefontia platana* Kobayashi, p.436, pl.3, fig.5. Paratype.
- PA2158.\* *Bellefontia* (?) aff. *colleiana* (Raymond), p.437, pl.5, fig.4.
- PA2159.\* *Bellefontia* (?) aff. *colleiana* (Raymond), p.437, pl.5, fig.5.
- PA2160.\* *Bellefontia* (?) sp., p.437, pl.5, fig.6.



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Kobayashi, T. (1955a): continued

- PA2161.\* *Asaphellus* (?) *canadensis* Kobayashi, p.438, pl.5, fig.1. Holotype.
- PA2162.\* *Asaphellus* (?) *canadensis* Kobayashi, p.438, pl.5, fig.2. Paratype.
- PA2163.\* *Asaphellus* (?) *canadensis* Kobayashi, p.438, pl.5, fig.3. Paratype.
- PA2164.\* *Kobayashia lanceolata* Kobayashi, p.441, pl.4, fig.1. Holotype.
- PA2165.\* *Kobayashia lanceolata* Kobayashi, p.441, pl.4, fig.2a,b. Paratype.
- PA2166.\* *Kobayashia lanceolata* Kobayashi, p.441, pl.4, fig.3. Paratype.
- PA2167.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.4.
- PA2168.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.5.
- PA2169.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.6.
- PA2170.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.7.
- PA2171.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.8. (missing)
- PA2172.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.9.
- PA2173.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.10.
- PA2174.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.11.
- PA2175.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.4, fig.12.
- PA2176.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.5, fig.8.
- PA2177.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.5, fig.9.
- PA2178.\* *Kayseraspis* (?) *euclids* (Walcott), p.442, pl.5, fig.10.
- PA2179.\* *Kayseraspis* (?) cfr. *euclids* (Walcott), p.442, pl.5, fig.22.
- PA2180.\* *Kayseraspis* (?) cfr. *euclids* (Walcott), p.442, pl.5, fig.23.
- PA2181.\* *Kayseraspis* (?) sp., p.444, pl.4, fig.13.
- PA2182.\* *Kayseraspis* (?) sp., p.444, pl.4, fig.14.
- PA2183.\* *Columbicephalus macrops* Kobayashi, p.444, pl.5, fig.7a,b. Holotype.
- PA2184.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.12.
- PA2185.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.13.
- PA2186.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.14.
- PA2187.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.15.
- PA2188.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.16. (missing)
- PA2189.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.5, fig.17.
- PA2190.\* *Kirkella* cfr. *vigilans* (Whittington), p.445, pl.8, fig.6. (missing)

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Kobayashi, T. (1955a): continued

- PA2191.\* *Protopresbynileus* (?) aff. *willdeni* Hintze, p.446, pl.5, fig.18.
- PA2192.\* *Protopresbynileus* (?) aff. *willdeni* Hintze, p.446, pl.5, fig.19.
- PA2193.\* *Protopresbynileus* (?) aff. *willdeni* Hintze, p.446, pl.8, fig.15.
- PA2194.\* *Gonioteloides monoceros* Kobayashi, p.447, pl.6, fig.17a,b. Holotype.
- PA2195.\* *Gonioteloides monoceros* Kobayashi, p.447, pl.6, fig.18a,b. Paratype. (missing)
- PA2196.\* *Gonioteloides monoceros* Kobayashi, p.447, pl.8, fig.10. Paratype.
- PA2197.\* *Gonioteloides punctatus* Kobayashi, p.448, pl.6, fig.19a,b. Holotype.
- PA2198.\* *Licnocephala longa* Kobayashi, p.448, pl.6, fig.16. Holotype.
- PA2199.\* *Licnocephala longa* Kobayashi, p.448, pl.8, fig.13. Paratype.
- PA2200.\* *Lachnostoma* (?) sp., p.449, pl.5, fig.11.
- PA2201.\* *Eulomella mckayensis* Kobayashi, p.451, pl.6, fig.3. Holotype.
- PA2202.\* *Neotaenicephalus obsoletus* Kobayashi, p.452, pl.6, fig.12a,b. Holotype.
- PA2203.\* *Vermilionites bisulcatus* Kobayashi, p.453, pl.6, fig.4. Holotype. (missing)
- PA2204.\* *Hystericurus platypleurus* Kobayashi, p.454, pl.6, fig.6. Holotype.
- PA2205.\* *Hystericurus* cfr. *genelatus* Ross, p.454, pl.6, fig.1.
- PA2206.\* *Hystericurus* cfr. *genelatus* Ross, p.454, pl.6, fig.2.
- PA2207.\* *Hystericurus* sp., p.455, pl.6, fig.8.
- PA2208.\* *Parahystericurus* (?) sp., p.455, pl.6, fig.7.
- PA2209.\* *Clelandia* (?) sp., p.456, pl.6, fig.5a,b.
- PA2210.\* *Dimeropygiella eos* Kobayashi, p.456, pl.6, fig.10. Holotype.
- PA2211.\* *Metabowmania latilimbata* Kobayashi, p.458, pl.6, fig.13. Holotype.
- PA2212.\* *Metabowmania latilimbata* Kobayashi, p.458, pl.8, fig.9. Paratype.
- PA2213.\* *Amechilus tuberculatus* Kobayashi, p.459, pl.6, fig.11. Holotype.
- PA2214a.\* *Macroculites enigmaticum* Kobayashi, p.461, pl.6, fig.14. Holotype.
- PA2214b.\* *Macroculites* (?) sp., p.462, pl.6, fig.15a,b.
- PA2215.\* *Parabolinella bisulcata* Kobayashi, p.463, pl.7, fig.18. Holotype.
- PA2216.\* *Parabolinella bisulcata* Kobayashi, p.463, pl.7, fig.19. Paratype.
- PA2217.\* *Sphaerophthalmella inexpectans* Kobayashi, p.464, pl.7, fig.10a,b. Holotype.

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Kobayashi, T. (1955a): continued

- PA2218.\* *Sphaerophthalmella inexpectans* Kobayashi, p.464, pl.7, fig.11. Paratype.
- PA2219.\* *Peltura pacifica* Kobayashi, p.465, pl.7, fig.14. Holotype.
- PA2220.\* *Peltura pacifica* Kobayashi, p.465, pl.7, fig.15. Paratype.
- PA2221.\* *Peltura pacifica* Kobayashi, p.465, pl.7, fig.16. Paratype. (missing)
- PA2222.\* *Peltura pacifica* Kobayashi, p.465, pl.7, fig.17. Paratype.
- PA2223.\* *Peltura canadensis* Kobayashi, p.466, pl.7, fig.20. Holotype.
- PA2224.\* *Jujuyaspis borealis* Kobayashi, p.467, pl.7, fig.12. Paratype.
- PA2225.\* *Jujuyaspis borealis* Kobayashi, p.467, pl.7, fig.13a,b. Holotype.
- PA2226.\* *Paenebeltella convexa* Kobayashi, p.468, pl.7, fig.21a,b. Holotype.
- PA2227.\* *Paenebeltella convexa* Kobayashi, p.468, pl.8, fig.12. Paratype.
- PA2228.\* *Ampyx walcotti* Kobayashi, p.469, pl.8, fig.1a,b. Holotype.
- PA2229.\* *Ampyx walcotti* Kobayashi, p.469, pl.8, fig.2a,b. Paratype.
- PA2230.\* *Ampyx walcotti* Kobayashi, p.469, pl.8, fig.3. Paratype.
- PA2231.\* *Ampyx walcotti* var. *stenorachis* Kobayashi, p.470, pl.8, fig.4a,b. Holotype.
- PA2232.\* *Ampyx walcotti* var. *stenorachis* Kobayashi, p.470, pl.8, fig.5. Paratype.
- PA2233.\* *Ampyx* a sp., p.470, pl.8, fig.21. (missing)
- PA2234.\* *Ampyx* a sp., p.470, pl.8, fig.22. (missing)
- PA2235.\* *Ampyx* a sp., p.470, pl.8, fig.23. (missing)
- PA2236.\* *Ampyx* b sp., p.471, pl.8, fig.18.
- PA2237.\* *Ampyx* b sp., p.471, pl.8, fig.19.
- PA2238.\* *Ampyx* b sp., p.471, pl.8, fig.20.
- PA2239.\* *Shumardia* sp., p.471, pl.7, fig.9.
- PA2240.\* *Lunacrania trisecta* Kobayashi, p.472, pl.7, fig.8. Holotype.
- PA2241.\* *Rhamphopyge altipolum* Kobayashi, p.473, pl.6, fig.9a,b. Holotype. (missing)
- PA2242.\* *Neoagnostus aspidoides* Kobayashi, p.473, pl.7, fig.4. Paratype. (missing)
- PA2243.\* *Neoagnostus aspidoides* Kobayashi, p.473, pl.7, fig.5. Holotype.
- PA2244.\* *Hyperagnostus binodosus* Kobayashi, p.475, pl.7, fig.2. Holotype.
- PA2245.\* *Hyperagnostus binodosus* Kobayashi, p.475, pl.7, fig.3. Paratype.
- PA2246.\* *Geragnostus* aff. *mundus* (Raymond), p.475, pl.7, fig.1.

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Kobayashi, T. (1955a): continued

- PA2247.\* *Geragnostus* aff. *mundus* (Raymond), p.475, pl.8, fig.17.
- PA2248.\* *Trinodus priscus* Kobayashi, p.476, pl.7, fig.6. Holotype.
- PA2249.\* *Trinodus tardiformis* Kobayashi, p.476, pl.7, fig.7a,b. Holotype.
- PA2250.\* Gen. et sp. indt., p.365, pl.8, fig.7.
- PA2251.\* Asaphid, gen. et sp. indt. (b), p.436, pl.8, fig.8.
- PA2252.\* Asaphid, gen. et sp. indt. (c), p.436, pl.8, fig.11.
- PA2253.\* Asaphid, gen. et sp. indt. (a), p.436, pl.8, fig.14.
- PA2254.\* Gen. et sp. indt., p.366, pl.8, fig.16.

Only plaster casts are preserved in this museum. The original specimens are in the Geological Survey of Canada, Ottawa.

Kobayashi, T. (1955b): Notes on Cambrian fossils from Yentzuyai, Tawenkou, in Shantung. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.20, pp.89-98, pl.14.

- PA2094.\* *Teinistion magna* Kobayashi, p.92, pl.14, fig.12. Holotype.
- PA2095.\* *Stephanocare* (?) *bergeroni* Kobayashi, p.93, pl.14, fig.9.
- PA2096.\* Hypostoma of *Damesella paronai* (Airaghi), p.93, pl.14, fig.8.
- PA2097.\* Hypostoma of *Amphoton deois* (Walcott), p.94, pl.14, figs.13a,b.
- PA2098.\* *Amphoton* (*Sunia*) *tellus* (Walcott), p.94, pl.14, fig.10. (missing)
- PA2099.\* *Amphoton* (*Sunia*) *tellus* (Walcott), p.94, pl.14, fig.11. (missing)
- PA2100a.\* *Psilaspis* (*Entorachis*) *shantungensis* Kobayashi, p.95, pl.14, fig.1. Holotype.
- PA2100b.\* *Psilaspis* (*Entorachis*) *shantungensis* Kobayashi, p.95, pl.14, fig.3. Paratype.
- PA2101.\* *Psilaspis* (*Entorachis*) *shantungensis* Kobayashi, p.95, pl.14, fig.2. Paratype.
- PA2102.\* *Psilaspis* (*Entorachis*) *shantungensis* Kobayashi, p.95, pl.14, fig.4. Paratype.
- PA2103.\* *Myona flabelliformis* Kobayashi, p.95, pl.14, fig.5.
- PA2104.\* *Myona flabelliformis* Kobayashi, p.95, pl.14, fig.6.
- PA2105.\* *Myona flabelliformis* Kobayashi, p.95, pl.14, fig.7.
- PA2106.\* Metaprotaspids of Dorypygellinae, p.98, pl.14, fig.14. (missing)
- PA2107.\* Metaprotaspids of Dorypygellinae, p.98, pl.14, fig.15. (missing)

KOBAYASHI

Kobayashi, T. (1955b): continued

Only plaster casts are preserved in this museum. The original specimens belonged to the Preuss. Geol. Landes., Berlin.

Kobayashi, T. (1956a): Some Jurassic trigonians from central and west Japan. Studies on Jurassic trigonians in Japan, Part V. *Japan. Jour. Geol. Geogr.*, vol.27, no.1, pp.1-8, pl.1.

- MM4366. *Vaugonia yambarensis* Kobayashi, p.1, pl.1, fig.1a,b. Holotype.
- MM4367. *Myophorella* (*Promyophorella*) *obsoleta* Kobayashi and Tamura, p.2, pl.1, fig.2.
- MM4368. *Myophorella* (*Promyophorella*) *imamurai* Kobayashi, p.3, pl.1, fig.3. Holotype.
- MM4369. *Myophorella* (*Promyophorella* ?) *hashimotoi* Kobayashi, p.3, pl.1, fig.4. Holotype.
- MM4370. *Myophorella* (*Promyophorella* ?) *hashimotoi* Kobayashi, p.3, pl.1, fig.5. Paratype.
- MM4371. *Myophorella* (*Promyophorella* ?) *hashimotoi* Kobayashi, p.3, pl.1, fig.6. Paratype.
- MM4372. *Myophorella* (*Promyophorella* ?) *hashimotoi* Kobayashi, p.3, pl.1, fig.7. Paratype.
- MM4373. *Myophorella* (*Haidaia*) *gracilentia* Kobayashi, p.4, pl.1, fig.8. Holotype.
- MM4374. *Myophorella* (*Haidaia*) n. sp., p.5, pl.1, fig.9.
- MM4375. *Linotrigonia toyamai* (Yehara), p.6, pl.1, fig.10.
- MM4376. *Linotrigonia toyamai* (Yehara), p.6, pl.1, fig.11.
- MM4377. *Linotrigonia toyamai* (Yehara), p.6, pl.1, fig.12.

Kobayashi, T. (1956b): On the Kaolishaniinae. *Japan. Jour. Geol. Geogr.*, vol.27, no.1, pp.9-20, pl.2.

- PA2264.\* *Wutingia rectangulosa* Endo, p.15, pl.2, fig.5. Lectotype.
- PA2265.\* *Wutingia rectangulosa* Endo, p.15, pl.2, fig.6. Paralectotype.
- PA2266.\* *Wutingia rectangulosa* Endo, p.15, pl.2, fig.7. Paralectotype.
- PA2267.\* *Wutingia rectangulosa* Endo, p.15, pl.2, fig.8. Paralectotype.
- PA2268.\* *Wutingia rectangulosa* Endo, p.15, pl.2, fig.9. Paralectotype.
- PA2269.\* *Parakoldinioidia typicalis* Endo, p.15, pl.2, fig.10. Syntype.
- PA2270.\* *Parakoldinioidia typicalis* Endo, p.15, pl.2, fig.11. Syntype.

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Kobayashi, T. (1956b): continued

PA2271.\* *Parakoldinioidia typicalis* Endo, p.15, pl.2, fig.12.

PA2272. *Kaolishania* sp., p.13, pl.2, fig.14.

Only plaster casts are preserved in this museum for the specimens with an asterisk. The original specimens for PA2264-2268 are in the Tohoku University, Sendai, and for PA2269-2271 belonged to the Central Manchurian Museum, Changchun.

Kobayashi, T. (1956c): On the dentition of Trigonioidea and its relation to similar pelecypod genera. *Japan. Jour. Geol. Geogr.*, vol.27, no.1, pp.79-94, pl.5.

MM7849. *Trigonioidea matumotoi* Kobayashi and Suzuki, p.83, pl.5, fig.4.

Kobayashi, T. (1956d): Miscellaneous notes on the Cambro-Ordovician geology and palaeontology, XXVI. Supplementary notes on the Cambrian trilobites from southeastern Asia. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.24, pp.277-284, pl.40.

PA2279.\* *Annamitia spinifera* Mansuy, p.279, pl.40, fig.13.

PA2280.\* *Annamitia spinifera* Mansuy, p.279, pl.40, fig.14. (missing)

PA2281.\* *Annamitia spinifera* Mansuy, p.279, pl.40, fig.15. (missing)

PA2282.\* *Damesella brevicaudata* Walcott, var., p.280, pl.40, fig.9a,b. (missing)

PA2283.\* *Drepanura ketteleri* Monke, var., p.280, pl.40, fig.10. (missing)

PA2284.\* *Dorypygella* sp. nov., p.280, pl.40, fig.11, text-fig. (missing)

PA2285.\* *Haniwa conica* Kobayashi, p.280, pl.40, fig.8. (missing)

PA2286.\* *Prosaukia angulata* (Mansuy), p.281, pl.40, fig.12.

PA2287.\* *Eosaukia* (?) *walcotti* (Mansuy), p.281, pl.40, fig.1. (missing)

PA2288.\* *Eosaukia* (?) *walcotti* (Mansuy), p.281, pl.40, fig.2. (missing)

PA2289.\* *Eosaukia* (?) *walcotti* (Mansuy), p.281, pl.40, fig.3.

PA2290.\* *Eosaukia* (?) *walcotti* (Mansuy), p.281, pl.40, fig.4.

PA2291.\* *Plethopeltis saurini* Kobayashi, p.281, pl.40, fig.5. Holotype.

PA2292.\* *Plethopeltis saurini* Kobayashi, p.281, pl.40, fig.6. Paratype.

PA2293.\* *Plethopeltis saurini* Kobayashi, p.281, pl.40, fig.7. Paratype.

Only plaster casts are preserved in this museum. The original specimens belonged to the Faculte des Sciences, Saigon, at that time.

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Kobayashi, T. (1957a): *Nipponitrigonia* and *Rutitrigonia* in Japan. *Trans.*

*Proc. Palaeont. Soc. Japan*, N. S., no.26, pp.51-61, pls.10,11.

- MM4427. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.2.
- MM4428. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.3
- MM4429. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.4.
- MM4430. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.5.
- MM4431. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.6.
- MM4432. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.7.
- MM4433. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.8.
- MM4434. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.9.
- MM4435. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.10.
- MM4436. *Nipponitrigonia sagawai* (Yehara), p.53, pl.10, fig.11.
- MM4437. *Nipponitrigonia naumanni* (Yehara), p.54, pl.10, fig.12.
- MM4438. *Nipponitrigonia naumanni* (Yehara), p.54, pl.10, fig.13.
- MM4439.\* *Nipponitrigonia naumanni* (Yehara), p.54, pl.11, fig.1. Syntype.
- MM4440.\* *Nipponitrigonia naumanni* (Yehara), p.54, pl.11, fig.2. Syntype.
- MM4441.\* *Nipponitrigonia* cfr. *naumanni* (Yehara), p.54, pl.11, fig.3.
- MM4442.\* *Nipponitrigonia convexa* Kobayashi, p.55, pl.10, fig.14. Syntype.  
(missing)
- MM4443. *Nipponitrigonia convexa* Kobayashi, p.55, pl.11, fig.4a-c. Syn-  
type.
- MM4444. *Nipponitrigonia convexa* Kobayashi, p.55, pl.11, fig.5. Syntype.
- MM4445. *Nipponitrigonia convexa* Kobayashi, p.55, pl.11, fig.6. Syntype.
- MM4446.\* *Nipponitrigonia convexa* Kobayashi, p.55, pl.11, fig.7. Syntype.
- MM4447. *Nipponitrigonia sakamotoensis* (Yehara), p.55, pl.10, fig.15.
- MM4448.\* *Nipponitrigonia sakamotoensis* (Yehara), p.55, pl.11, figs.8a,b.  
Holotype.
- MM4449. *Rutitrigonia yeharai* Kobayashi, p.59, pl.10, fig.1.

Only plaster casts are preserved in this museum for the specimens with an asterisk. The original specimen for MM4442 is in the Tohoku University, Sendai, and the original specimens for MM4439-4441, 4446 and 4448 are in the Kyoto University, Kyoto.

Kobayashi, T. (1957b): Some trigonians from the Hida plateau region, central Japan. *Japan. Jour. Geol. Geogr.*, vol.28, nos.1-3, pp.43-46, pl.1.

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Kobayashi, T. (1957b): continued

- MM4388. *Geratrignia kurumensis* Kobayashi, p.44, pl.1, fig.19. Holotype.  
MM4389. *Latitrignia tetoriensis* Kobayashi, p.45, pl.1, fig.11a,b. Holotype.  
MM4390. *Latitrignia tetoriensis* Kobayashi, p.45, pl.1, fig.12. Paratype.  
MM4391. *Latitrignia tetoriensis* Kobayashi, p.45, pl.1, fig.13. Paratype.  
MM4392. *Latitrignia orbicularis* Kobayashi, p.45, pl.1, fig.14. Holotype.  
MM4393. *Latitrignia orbicularis* Kobayashi, p.45, pl.1, fig.15. Paratype.  
MM4394. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.46, pl.1, fig.16.  
MM4395. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.46, pl.1, fig.17.  
MM4396. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.46, pl.1, fig.18.

Kobayashi, T. (1957c): A trigonian faunule from Mindoro in the Philippine Islands. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.10, part 3, pp.351-365, pl.3.

- MM4397.\* *Solemya* (*Acharax* ?) *murotoensis* Kobayashi, p.356, pl.3, fig.17. Holotype.  
MM4398.\* *Solemya* (*Acharax* ?) *murotoensis* Kobayashi, p.356, pl.3, fig.18. Paratype.  
MM4399.\* *Solemya* sp., p.357, pl.3, fig.16.  
MM4400.\* *Latitrignia multicostata* Kobayashi, p.358, pl.3, fig.3. Holotype.  
MM4401.\* *Rutitrignia yeharai* Kobayashi, p.359, pl.3, fig.1.  
MM4402.\* *Nipponitrignia* (?) sp., p.359, pl.3, fig.12.  
MM4403.\* *Rutitrignia amagensis* Kobayashi, p.360, pl.3, fig.2. Holotype.  
MM4404.\* *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.360, pl.3, fig.5.  
MM4405.\* *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.360, pl.3, fig.6.  
MM4406.\* *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.360, pl.3, fig.7.  
MM4407. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p.360, pl.3, fig.8.  
MM4408.\* *Myophorella* (*Promyophorella*) sp. nov., p.361, pl.3, fig.9.  
MM4409.\* *Myophorella* (*Promyophorella*) sp. nov., p.361, pl.3, fig.10.



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Kobayashi, T. (1957c): continued

MM4410.\* *Chlamys* sp., p.362, pl.3, fig.15.

MM4411.\* *Chlamys* (*Radulopecten* ?) *villai* Kobayashi, p.362, pl.3, fig.13. Paratype.

MM4412.\* *Chlamys* (*Radulopecten* ?) *villai* Kobayashi, p.362, pl.3, fig.14. Holotype.

Only dental modeling casts are preserved in this museum for the specimens with an asterisk. The original specimens for MM4397, 4398 are in the Kochi University, Kochi, and those for MM4399-4406, 4408-4412 are in the Bureau of Mines, Manila.

Kobayashi, T. (1957d): Upper Cambrian fossils from Peninsular Thailand.

*Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.10, part 3, pp.367-382, pls.4,5.

PB2294a. *Apheoorthis* (?) sp., p.371, pl.4, fig.1.

PA2294b. *Pagodia thaiensis* Kobayashi, p.372, pl.4, figs.5,7. Paratype.

PA2294c. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.10. Paratype.

PA2294d. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.13. Paratype.

PA2294e. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.15. Paratype.

PA2295a. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.18. Paratype.

PA2295b. *Coreanocephalus planulatus* Kobayashi, p.379, pl.4, fig.15. Paratype.

PA2296a. *Pagodia thaiensis* Kobayashi, p.372, pl.4, fig.6. Holotype.

PA2296b. ? *Thailandium solum* Kobayashi, p.374, pl.4, fig.12.

PA2296c. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.1. Paratype.

PA2296d. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.2. Paratype.

PA2297a. ? *Thailandium solum* Kobayashi, p.374, pl.4, fig.11.

PA2297b. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.16. Paratype.

PA2297c. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.17. Paratype.

PB2298a. *Apheoorthis* (?) sp., p.371, pl.4, fig.2.

PB2298b. *Apheoorthis* (?) sp., p.371, pl.4, fig.4.

PA2298c. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.5. Holotype.

PA2298d. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.7. Paratype.

PA2298e. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.8. Paratype.

PA2298f. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.14. Paratype.

PA2298g. *Saukiella tarutaoensis* Kobayashi, p.378, pl.5, fig.12. Holotype.

PB2299a. *Apheoorthis* (?) sp., p.371, pl.4, fig.3.

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Kobayashi, T. (1957d): continued

- PA2299b. *Thailandium solum* Kobayashi, p.374, pl.4, fig.9. Holotype.
- PA2299c. *Thailandium solum* Kobayashi, p.374, pl.4, fig.10. Paratype.
- PA2299d. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.3. Paratype.
- PA2299e. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.4. Paratype.
- PA2299f. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.6. Paratype.
- PA2299g. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.19. Paratype.
- PA2299h. "*Eosaukia*" *buravasi* Kobayashi, p.376, pl.5, fig.20. Paratype.
- PA2299i. *Coreanocephalus planulatus* Kobayashi, p.379, pl.4, fig.13. Holotype.
- PA2299j. *Coreanocephalus planulatus* Kobayashi, p.379, pl.4, fig.14. Paratype.
- PA2299k. *Coreanocephalus planulatus* Kobayashi, p.379, pl.4, fig.16. Paratype.
- PA2299l. *Coreanocephalus planulatus* Kobayashi, p.379, pl.4, fig.17. Paratype.
- PA2299m. Agnostid, gen. et sp. indet., p.380, pl.4, fig.8.

Kobayashi, T. (1957e): Notes on two Devonian trilobites from the Kitakami mountains in Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 1, pp.1-10, pl.1.

- PA8001. *Scutellum* (*Thysanopeltella*) *paucispinosum* (Okubo), p.6, pl.1, fig.3a,b.
- PA8006. *Dechenella* (*Dechenella*) *minima* Okubo, p.7, pl.1, figs.1a,b.

Kobayashi, T. (1958a): Some Cambro-Ordovician fossils from the Tan'gyang or Tanyo district, South Korea. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.30, pp.211-216.

- PA2309. *Kingstonia parallela* Kobayashi, p.213, text-fig.2a,b. Holotype. [erroneously written as *Kingstonia longispinus* in the explanation of text-figure]
- PA2310. *Plethometopus longispinus* Kobayashi, p.214, text-fig.3. Holotype. [erroneously written as *Plethometopus spiniferus* in the explanation of text figure]
- PA2311. *Iddingsia orientalis* Kobayashi, p.214, text-fig.1. Holotype.
- PA2312. *Hamashania* (?) sp., p.215, text-fig.4.

Kobayashi, T. (1958b): A Gotlandian nautiloid from the Hida plateau in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.31, pp.248-252, pl. 37.

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Kobayashi, T. (1958b): continued

PM2315. *Michelinoceras hidense* Kobayashi, p.250, pl.37, figs.1-7. Holotype.

Kobayashi, T. (1958c): On some Cambrian gastropods from Korea. Japan.

*Jour. Geol. Geogr.*, vol.29, nos.1-3, pp.111-118, pl.8.

PM2316. *Helcionella coreanica* Kobayashi, p.114, pl.8, fig.4a-d. Syntype.

PM2317. *Helcionella coreanica* Kobayashi, p.114, pl.8, fig.5a,b. Syntype.

PM2318. *Hampilina goniospira* Kobayashi, p.116, pl.8, fig.1a-c. Holotype.

PM2319. *Hampilina goniospira* Kobayashi, p.116, pl.8, fig.2. Paratype.

PM2320. *Hampilina alta* Kobayashi, p.116, pl.8, fig.3a,b. Holotype. (missing)

PM2323. *Helcionella coreanica* Kobayashi, p.111, text-fig.1a,b. Syntype.

Kobayashi, T. (1958d): Some Ordovician fossils from the Thailand-Malayan borderland. Japan. *Jour. Geol. Geogr.*, vol.29, no.4, pp.223-231, pl.17.

PM2313. *Malayaspira rugosa* Kobayashi, p.227, pl.17, fig.1a-c. Holotype.

PM2314. *Actinoceras* sp., p.229, pl.17, fig.3.

Kobayashi, T. (1958e): Some Ordovician gastropods from the Mun'gyong or Bunkei district, South Korea. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 2, pp.85-89, pl.5.

PM2300. "*Bellerophon*" *aotii* Kobayashi, p.86, pl.5, fig.1a,b. Holotype.

PM2301. *Scalites katoi* (Kobayashi), p.87, pl.5, fig.4a,b.

PM2302. *Scalites irregulare* Kobayashi [error of *irregularis*], p.87, pl.5, fig.7a,b. Holotype.

PM2303. *Helicotoma amanoi* Kobayashi, p.87, pl.5, fig.5a,b. Paratype.

PM2304. *Helicotoma amanoi* Kobayashi, p.87, pl.5, fig.6a,b. Holotype.

PM2305. *Palaeomphalus keizanensis* (Kobayashi), p.88, pl.5, fig.8a,b.

PM2306. *Palaeomphalus keizanensis* (Kobayashi), p.88, pl.5, fig.9a,b.

PM2307. *Lophospira* cfr. *bantatsuensis* Kobayashi, p.88, pl.5, fig.3.

PM2308. *Liospira shohakuensis* Kobayashi, p.89, pl.5, fig.2a-c.

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Kobayashi, T. (1959): On some Ordovician fossils from northern Malaya and her adjacence. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.11, part 4, pp.387-407, pls.24-27.

- PM2325. *Sinuitopsis* cfr. *kochiriensis* Kobayashi, p.393, pl.24, fig.4a,b.
- PM2326. *Hormotoma* sp., p.393, pl.25, fig.6.
- PM2327. *Hormotoma* sp., p.393, pl.25, fig.7a,b.
- PM2328. *Helicotoma jonesi* Kobayashi, p.394, pl.24, fig.5. Paratype.
- PM2329. *Helicotoma jonesi* Kobayashi, p.394, pl.26, fig.5a,b. Holotype.
- PM2330. *Helicotoma jonesi* Kobayashi, p.394, pl.27, fig.9a-c. Paratype.
- PM2331. *Helicotoma* (?) *costata* Kobayashi, p.395, pl.25, fig.1a-c, text-fig.3d. Holotype.
- PM2332. *Palaeomphalus giganteus* Kobayashi, p.395, pl.25, fig.2a-c. Paratype.
- PM2333. *Palaeomphalus giganteus* Kobayashi, p.395, pl.25, fig.3a-c. Holotype.
- PM2334. *Palaeomphalus giganteus* Kobayashi, p.395, pl.26, fig.3a-c. Paratype.
- PM2335. *Lesueurilla zonata* Kobayashi, p.397, pl.24, fig.6a-d, text-fig.3f. Holotype.
- PM2336. *Lesueurilla* (?) sp., p.398, pl.26, fig.6a,b.
- PM2337. *Malayaspira rugosa* Kobayashi, p.398, pl.24, fig.1a-c.
- PM2338. *Malayaspira rugosa* Kobayashi, p.398, pl.24, fig.2.
- PM2339. *Malayaspira rugosa* Kobayashi, p.398, pl.24, fig.3a-c.
- PM2340. *Malayaspira* (?) sp., p.399, pl.25, fig.4.
- PM2341. *Lytospira rectangularis* Kobayashi, p.399, pl.25, fig.5a-c. Holotype.
- PM2342. *Endoceras* (?) sp., p.400, pl.26, fig.4a,b.
- PM2343. Endoceroid, gen. et sp. indt., p.400, pl.27, fig.2a,b.
- PM2344. *Ormoceras langkawiense* Kobayashi, p.401, pl.27, fig.3a,b. Holotype.
- PM2345. *Ormoceras langkawiense* Kobayashi, p.401, pl.27, fig.4a,b. Paratype.
- PM2346. *Ormoceras langkawiense* Kobayashi, p.401, pl.27, fig.5a,b. Paratype.
- PM2347. *Ormoceras* sp., p.401, pl.27, fig.1a,b.
- PM2348. *Armenoceras chediforme* Kobayashi, p.401, pl.27, fig.6.
- PM2349. *Armenoceras chediforme* Kobayashi, p.401, pl.27, fig.7a,b.

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Kobayashi, T. (1959): continued

- PM2350. *Armenoceras chediforme* Kobayashi, p.401, pl.27, fig.8. (missing)
- PM2351. *Discoceras* (*Hardmanoceras* ?) *chrysanthimum* Kobayashi, p.404, pl.26, fig.1a,b. Holotype.
- PM2352. *Discoceras* (*Hardmanoceras* ?) *laeviventrum* Kobayashi, p.405, pl.26, fig.2a,b. Holotype.
- PP2353. *Archaeoscyphia*-like sponge, p.389, text-fig.2a,b.

Kobayashi, T. (1960a): The Cambro-Ordovician formations and faunas of South Korea, Part 6. Palaeontology 5. Jour. Fac. Sci. Univ. Tokyo, sec.2, vol.12, part 2, pp.217-275, pls.12-14.

- PB2354. *Lingulella tomkolensis* Kobayashi, p.226, pl.13, fig.12.
- PB2355. *Lingulella tomkolensis* Kobayashi, p.226, pl.13, fig.13.
- PB2356. *Eoorthis* (?) sp., p.227, pl.12, fig.5.
- PB2357. *Eoorthis* (?) sp., p.227, pl.12, fig.6.
- PB2358. *Apheoorthis orientalis* Kobayashi, p.227, pl.12, fig.2. Holotype.
- PB2359. *Apheoorthis* (?) sp., p.228, pl.12, fig.3.
- PB2360. *Apheoorthis* (?) sp., p.228, pl.12, fig.4.
- PB2361. *Clarkella vulgaris* Kobayashi, p.228, pl.14, fig.1.
- PM2362. *Palaeacmaea* (?) sp., p.229, pl.14, fig.4.
- PM2363. *Hyolithes* (?) sp., p.229, pl.13, fig.22a,b.
- PA2364. *Micragnostus coreanicus* Kobayashi, p.234, pl.13, fig.7. Paratype.
- PA2365a. *Micragnostus coreanicus* Kobayashi, p.234, pl.13, fig.8. Holotype.
- PA2365b. *Dikelokephalina parva* Kobayashi, p.252, pl.13, fig.27. Holotype.
- PA2365c. *Dikelokephalina conica* Kobayashi, p.253, pl.13, fig.31. Holotype.
- PA2365d. *Anatifopsis cocaban* Kobayashi, p.265, pl.13, fig.5. Syntype.
- PA2366. *Micragnostus coreanicus* Kobayashi, p.234, pl.13, fig.9. Paratype.
- PA2367. *Micragnostus coreanicus* Kobayashi, p.234, pl.13, fig.10. Paratype.
- PA2368. *Micragnostus coreanicus* Kobayashi, p.234, pl.13, fig.11. Paratype.
- PA2369. *Shumardia pellizzarii* Kobayashi, p.235, pl.13, fig.23.
- PA2370. *Shumardia pellizzarii* Kobayashi, p.235, pl.13, fig.24.
- PA2371. *Shumardia pellizzarii* Kobayashi, p.235, pl.13, fig.25.

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Kobayashi, T. (1960a): continued

- PA2372. *Hystericurus megalops* Kobayashi, p.235, pl.13, fig.20.
- PA2373. *Hystericurus* cfr. *megalops* Kobayashi, p.236, pl.13, fig.21.
- PA2374. *Hystericurus calvus* Kobayashi, p.236, pl.14, fig.5. Syntype.
- PA2375. *Hystericurus calvus* Kobayashi, p.236, pl.14, fig.6. Syntype.
- PA2376a. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.9. Holotype.
- PA2376b. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.10. Paratype.
- PA2377. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.11. Paratype.
- PA2378a. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.12. Paratype.
- PA2378b. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.15. Paratype.
- PA2379a. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.13. Paratype.
- PA2379b. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.16. Paratype.
- PA2380. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.14. Paratype.
- PA2381. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.17. Paratype.
- PA2382. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.18. Paratype.
- PA2383. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.19. Paratype.
- PA2384. *Yosimuraspis vulgaris* Kobayashi, p.238, pl.12, fig.20. Paratype.
- PA2385. *Yosimuraspis vulgaris longulum* Kobayashi, p.239, pl.12, fig.7. Holotype.
- PA2386. *Yosimuraspis vulgaris longulum* Kobayashi, p.239, pl.12, fig.8. Paratype.
- PA2387. *Pseudokainella* (?) sp. nov., p.246, pl.12, fig.1, text-fig.5d.
- PA2388. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.7. Paratype.
- PA2389. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.8. Paratype.
- PA2390. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.9. Paratype.
- PA2391. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.10. Paratype.
- PA2392. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.11. Holotype.
- PA2393. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.12. Paratype.
- PA2394. *Aotiaspis oblonga* Kobayashi, p.247, pl.14, fig.13. Paratype.
- PA2395. *Aotiaspis ovalis* Kobayashi, p.247, pl.14, fig.14. Holotype.
- PA2396. *Dikelokephalina parva* Kobayashi, p.252, pl.13, fig.28. Paratype. (missing)
- PA2397. *Dikelokephalina parva* Kobayashi, p.252, pl.13, fig.29. Paratype.
- PA2398. *Dikelokephalina parva* Kobayashi, p.252, pl.13, fig.30. Paratype.
- PA2399a. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.15.
- PE2399b. *Plumulites* sp. nov., p.267, pl.13, fig.18.

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Kobayashi, T. (1960a): continued

- PA2400. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.16.
- PA2401. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.17.
- PA2402. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.18.
- PA2403. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.19.
- PA2404. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.20.
- PA2405. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.21.
- PA2406. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.22.
- PA2407. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.23.
- PA2408. *Asaphellus tomkolensis* Kobayashi, p.259, pl.14, fig.24.
- PA2409. *Metapilekia* sp. nov., p.261, pl.13, fig.28.
- PA2410. *Protopliomerops punctatus* Kobayashi, p.261, pl.13, fig.14.
- PA2411. *Protopliomerops punctatus* Kobayashi, p.261, pl.13, fig.15.
- PA2412. *Koraipsis spinus* Kobayashi, p.262, pl.13, fig.16a,b. text-fig.11.
- PA2413. *Hintzeia glabella* Kobayashi, p.262, pl.13, fig.32. Holotype.
- PA2414. Pliomerid, gen. et sp. indt., p.263, pl.13, fig.33.
- PA2415a. Pliomerid, gen. et sp. indt., p.263, pl.13, fig.34.
- PE2415b. *Plumulites* cfr. *primus* Kobayashi, p.266, pl.13, fig.17.
- PA2416. Hypostoma, gen. et sp. indt., p.263, pl.14, fig.3.
- PA2417. *Ribeirella subcircularis* Kobayashi, p.264, pl.14, fig.2. Holotype.
- PA2418. *Anatifopsis cocaban* Kobayashi, p.265, pl.13, fig.2. Syntype.
- PA2419. *Anatifopsis cocaban* Kobayashi, p.265, pl.13, fig.3. Syntype.
- PA2420. *Anatifopsis cocaban* Kobayashi, p.265, pl.13, fig.4. Syntype.
- PA2421. *Anatifopsis cocaban* Kobayashi, p.265, pl.13, fig.6. Syntype.
- PA2422. *Anatifopsis truncatum* Kobayashi, p.266, pl.13, fig.1. Holotype.
- PE2423. Cystoid, gen. et sp. indt., p.266, pl.14, fig.27.
- PE2424. *Plumulites* sp. nov., p.267, pl.13, fig.19.
- PW2425. Coprolites (?), p.268, pl.14, fig.25.
- PW2426. Coprolites (?), p.268, pl.14, fig.26.

Kobayashi, T. (1960b): The Cambro-Ordovician formations and faunas of South Korea, Part VII. Palaeontology VI. Supplement to the Cambrian faunas of the Tsuibon zone with notes on some trilobites genera and families. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.12, part 2, pp.329-

Kobayashi, T. (1960b): continued

420, pls.19-21.

- PB2427. *Obolus taianensis* Sun, p.338, pl.19, fig.5.
- PB2428. *Lingulella kayseri* Sun, p.338, pl.19, fig.3,3a.
- PB2429. *Lingulepis shamojiformis* Kobayashi, p.338, pl.19, fig.2. Holotype.
- PB2430. *Lingulepis* (?) sp., p.339, pl.19, fig.4.
- PB2431. *Palaeostrophia orthia* (Walcott), p.339, pl.19, fig.1. (missing)
- PM2432. *Hypseloconus coreanicus* Kobayashi, p.340, pl.19, fig.9a,b. Holotype.
- PM2433. *Hyolithes imbricatus* Kobayashi, p.340, pl.19, fig.10a,b. Holotype.
- PA2434. *Pseudagnostus cyclopygeformis* (Sun), p.341, pl.19, fig.6.
- PA2435. *Pseudagnostus cyclopygeformis* (Sun), p.341, pl.19, fig.7.
- PA2436. *Geragnostus obsoletus* Kobayashi, p.342, pl.21, fig.16. Paratype.
- PA2437. *Geragnostus obsoletus* Kobayashi, p.342, pl.21, fig.17. Holotype.
- PA2438. *Geragnostella cambria* Kobayashi, p.342, pl.19, fig.8. Holotype.
- PA2439. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.19.
- PA2440. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.20.
- PA2441. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.21.
- PA2442. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.22.
- PA2443. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.23.
- PA2444. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.24.
- PA2445. *Dorypyge richthofeni laevis* Walcott, p.348, pl.19, fig.25.
- PA2446. *Kaolishania granulosa* Kobayashi, p.355, pl.20, fig.8.
- PA2447. *Kaolishania granulosa* Kobayashi, p.355, pl.20, fig.9.
- PA2448. *Kaolishania granulosa* Kobayashi, p.355, pl.20, fig.10.
- PA2449a. *Kaolishania granulosa* Kobayashi, p.355, pl.20, fig.11.
- PA2449b. (?) *Kaolishaniella transita* Sun, p.356, pl.20, fig.16.
- PA2450. *Kaolishania granulosa* Kobayashi, p.355, pl.20, fig.12.
- PA2451. *Kaolishania granulosa* Kobayashi, p.355, pl.21, fig.14.
- PA2452. *Kaolishania* (?) *latiura* Kobayashi, p.356, pl.21, fig.19. Holotype.
- PA2453a. (?) *Kaolishaniella transita* Sun, p.356, pl.20, fig.13.
- PA2453b. *Taipaikia glabra* (Endo), p.398, pl.20, fig.18.



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Kobayashi, T. (1960b): continued

- PA2454. (?) *Kaolishaniella transita* Sun, p.356, pl.20, fig.14.
- PA2455. (?) *Kaolishaniella transita* Sun, p.356, pl.20, fig.15.
- PA2456. *Tingocephalus magnus* Kobayashi, p.358, pl.20, fig.17. Holotype.
- PA2457. *Kabutocrania fossula* Kobayashi, p.359, pl.20, fig.19, text-fig. 2-i. Holotype.
- PA2458. *Mansuyia trigonalis* Kobayashi, p.364, pl.20, fig.20. Syntype.
- PA2459. *Mansuyia trigonalis* Kobayashi, p.364, pl.21, fig.18. Syntype.
- PA2460. *Prolloydia orientalis* Kobayashi, p.365, pl.20, fig.21. Holotype.
- PA2461. *Prolloydia orientalis* Kobayashi, p.365, pl.20, fig.22. Paratype.
- PA2462. *Prolloydia orientalis* Kobayashi, p.365, pl.20, fig.23. Paratype.
- PA2463. *Prolloydia orientalis* Kobayashi, p.365, pl.20, fig.24. Paratype.
- PA2464. *Prolloydia orientalis* Kobayashi, p.365, pl.20, fig.25. Paratype.
- PA2465. *Pagodia coreanica* Kobayashi, p.367, pl.19, fig.27. Holotype.
- PA2466. *Pagodia coreanica* Kobayashi, p.367, pl.19, fig.28. Paratype.
- PA2467. *Pagodia coreanica* Kobayashi, p.367, pl.19, fig.29. Paratype.
- PA2468. *Bailiella angusta* Kobayashi, p.373, pl.19, fig.18. Holotype.
- PA2469a. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.1.
- PA2469b. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.2.
- PA2469c. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.3.
- PA2469d. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.4.
- PA2469e. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.5.
- PA2469f. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.6.
- PA2469g. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.9.
- PA2470a. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.7.
- PA2470b. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.8.
- PA2471. *Bailiella lantonoisi* (Mansuy), p.374, pl.21, fig.10.
- PA2472. *Solenoparia laevis* Kobayashi, p.380, pl.19, fig.14a,b. Syntype.
- PA2474. *Solenoparia laevis* Kobayashi, p.380, pl.19, fig.15. Syntype.
- PA2475. *Solenoparia laevis* Kobayashi, p.380, pl.19, fig.16. Syntype.
- PA2476. *Shirakiella elongata* Kobayashi, p.390, pl.19, fig.26, text-fig. 9-i.
- PA2477. *Shirakiella* (?) sp., p.390, pl.21, fig.12.
- PA2478. *Lioparia conicula* Kobayashi, p.394, pl.21, fig.15. Holotype.
- PA2479. *Eymekops expansus* (Kobayashi), p.395, pl.19, fig.17.

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Kobayashi, T. (1960b): continued

- PA2480. *Eymekops carinata* Kobayashi, p.396, pl.21, fig.11. Holotype.  
PA2481. *Taipaikia glabra* (Endo), p.398, pl.21, fig.20.  
PA2482. *Taipaikia glabra* (Endo), p.398, pl.21, fig.21.  
PA2483. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.20, fig.2. Holotype.  
PA2484. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.20, figs.3,4. Paratype.  
PA2485. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.20, fig.5. Paratype.  
PA2486. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.20, fig.6. Paratype.  
PA2487. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.20, fig.7. Paratype.  
PA2488. *Quadraticephalus coreanicus* Kobayashi, p.402, pl.21, fig.13. Paratype.  
PA2489. *Quadraticephalus quadratus* Kobayashi, p.402, pl.19, fig.11.  
PA2490. *Quadraticephalus manchuricus* Kobayashi, p.336, pl.19, fig.13.  
PA2491. *Saukiella* sp., p.407, pl.19, fig.30.  
PA2492. *Platysaukia euryrachis* Kobayashi, p.407, pl.19, fig.12, text-fig. 13b. Holotype.  
PA2493. *Mareda mukazegata* Kobayashi, p.407, pl.19, fig.31.  
PA2494. *Mareda mukazegata* Kobayashi, p.407, pl.19, fig.32.  
PA2495. *Myona flabelliformis* Kobayashi, p.408, pl.20, fig.1.

Kobayashi, T. (1961a): A new genus of the Phillipsiidae from Thailand.

*Japan. Jour. Geol. Geogr.*, vol.32, no.1, pp.1-4, pl.1.

- PA3981\*. *Thaiaspis sethaputi* Kobayashi, p.2, pl.1, figs.2,3. Holotype.  
PA3982.\* *Thaiaspis sethaputi* Kobayashi, p.2, pl.1, fig.4. Paratype.  
PA3983.\* *Thaiaspis sethaputi* Kobayashi, p.2, pl.1, fig.5. Paratype.

Only plaster casts are preserved in this museum. The original specimens are preserved in the Bureau of Mines, Bangkok.

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Kobayashi, T. (1961b): The Cambro-Ordovician formations and faunas of South Korea, Part VIII. Palaeontology VII. Cambrian faunas of the Mun'gyong (Bunkei) district and the Samposan formation of the Yongwol (Neietsu) district. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.13, part 2, pp.181-241, pls.9-13.

- PA0470. *Redlichia coreanica* Saito, p.203, pl.11, fig.2. Holotype. [see also Saito (1934)]
- PA0473. *Redlichia nakamurai* Saito, p.205, pl.11, fig.1. Holotype. [see also Saito (1934)]
- PB2496. *Lingula* (?) sp., p.188, pl.12, fig.24.
- PB2497. *Nisusia paucicostellata* Kobayashi, p.188, pl.12, fig.6. Syntype.
- PB2498. *Nisusia paucicostellata* Kobayashi, p.188, pl.12, fig.7. Syntype.
- PM2499. *Hampilina goniospira* Kobayashi, p.188, pl.12, fig.23a,b.
- PA2500. *Dawsonia bunkeiensis* (Kobayashi), p.189, pl.12, fig.15.
- PA2501. *Dawsonia bunkeiensis* (Kobayashi), p.189, pl.12, fig.16.
- PA2502. *Dawsonia bunkeiensis* (Kobayashi), p.189, pl.12, fig.17.
- PA2503a. *Pseudagnostus primus* Kobayashi, p.189, pl.12, fig.20.
- PA2503b. *Pseudagnostus primus* Kobayashi, p.189, pl.12, fig.21.
- PA2504. *Redlichia chinensis* Walcott, p.199, pl.11, fig.3.
- PA2505. *Redlichia chinensis* Walcott, p.199, pl.11, fig.4.
- PA2506. *Redlichia chinensis* Walcott, p.199, pl.11, fig.5.
- PA2507. *Redlichia chinensis* Walcott, p.199, pl.11, fig.6.
- PA2508. *Redlichia nobilis* Walcott, p.201, pl.9, fig.1.
- PA2509. *Redlichia nobilis* Walcott, p.201, pl.9, fig.2, pl.13, fig.19.
- PA2510. *Redlichia nobilis* Walcott, p.201, pl.9, fig.3.
- PA2511. *Redlichia nobilis* Walcott, p.201, pl.9, fig.4.
- PA2512. *Redlichia nobilis* Walcott, p.201, pl.9, fig.5.
- PA2513. *Redlichia nobilis* Walcott, p.201, pl.9, fig.6.
- PA2514. *Redlichia nobilis* Walcott, p.201, pl.9, fig.7.
- PA2515. *Redlichia nobilis* Walcott, p.201, pl.9, fig.8.
- PA2516. *Redlichia nobilis* Walcott, p.201, pl.10, fig.2.
- PA2517. *Redlichia nobilis* Walcott, p.201, pl.10, fig.3.
- PA2518. *Redlichia nobilis* Walcott, p.201, pl.10, fig.4.
- PA2519. *Redlichia nobilis* Walcott, p.201, pl.10, fig.5.
- PA2520. *Redlichia nobilis* Walcott, p.201, pl.10, fig.6.

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Kobayashi, T. (1961b): continued

- PA2521. *Redlichia nobilis* Walcott, p.201, pl.10, fig.8.
- PA2522. *Redlichia nobilis* Walcott, p.201, pl.10, fig.9.
- PA2523. *Redlichia nobilis* Walcott, p.201, pl.10, fig.10.
- PA2524. *Redlichia nobilis* Walcott, p.201, pl.10, fig.11.
- PA2525. *Redlichia saitoi* Lu, p.204, pl.10, fig.7.
- PA2526. *Redlichia* cfr. *cylandrica* Chang, p.204, pl.10, fig.1.
- PA2527. *Palaeolenus aotii* Kobayashi, p.216, pl.12, fig.1. Holotype.
- PA2528. *Palaeolenus aotii* Kobayashi, p.216, pl.12, fig.2. Paratype.
- PA2529. *Palaeolenus aotii* Kobayashi, p.216, pl.12, fig.3. Paratype.
- PA3956. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.31. Syntype.
- PA3957. "*Ptychoparia*" aff. *impar* Walcott, p.226, pl.12, fig.12.
- PA3958. "*Ptychoparia*" aff. *impar* Walcott, p.226, pl.12, fig.13.
- PA3959. "*Ptychoparia*" a sp., p.227, pl.12, fig.14.
- PA3960a. "*Ptychoparia*" b sp., p.227, pl.12, fig.9.
- PA3960b. *Anomocarella stenorachis* Kobayashi, p.231, pl.13, fig.11. Holotype.
- PA3961a. "*Ptychoparia*" b sp., p.227, pl.12, fig.10.
- PA3961b. *Metagraulos sampoensis* Kobayashi, p.230, pl.13, fig.5. Paratype.
- PA3962. *Solenoparia* (?) *bisulcata* Kobayashi, p.229, pl.13, fig.13. Holotype.
- PA3963. *Mungyongia tulipiformis* Kobayashi, p.229, pl.12, fig.11. Holotype.
- PA3964. *Mungyongia subovalis* Kobayashi, p.229, pl.12, fig.10. Holotype.
- PA3965. *Metagraulos sampoensis* Kobayashi, p.230, pl.13, fig.6. Holotype.
- PA3966. *Metagraulos sampoensis* Kobayashi, p.230, pl.13, fig.7. Paratype.
- PA3967. *Metagraulos sampoensis* Kobayashi, p.230, pl.13, fig.8. Paratype.
- PA3968. *Megagraulos* (?) *semicircularis* Kobayashi, p.230, pl.13, fig.1. Paratype.
- PA3969. *Megagraulos* (?) *semicircularis* Kobayashi, p.230, pl.13, fig.2. Paratype.
- PA3970. *Megagraulos* (?) *semicircularis* Kobayashi, p.230, pl.13, fig.3. Holotype.
- PA3971. *Megagraulos* (?) *semicircularis* Kobayashi, p.230, pl.13, fig.4. Paratype.
- PA3972. *Megagraulos* (?) *semicircularis* Kobayashi, p.230, pl.13, fig.12.
- PA3973. *Yabaia* sp., p.231, pl.13, fig.14.

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Kobayashi, T. (1961b): continued

- PA3974. *Yabeia* sp., p.231, pl.13, fig.15.
- PA3975. *Anomocarella* cfr. *brevifrons* Kobayashi, p.232, pl.12, fig.9.
- PA3976. *Anomocarella* (?) gen. and sp. indt., p.232, pl.12, fig.22.
- PA3977. *Haniwoides* (?) sp. nov., p.232, pl.13, fig.16.
- PA3978. *Proceratopyge* (*Lopnorites* ?) sp., p.233, pl.13, fig.18. (missing)
- PA3979. Thoracic segment, gen. and sp. indt., p.234, pl.13, fig.17.
- PA3980. *Tsainania canens* (Walcott), pl.12, fig.8. [see also Kobayashi (1960b, p.398)]
- PA4871. *Palaeolenus aotii* Kobayashi, p.216, pl.12, fig.4. Paratype.
- PA4872. *Palaeolenus aotii* Kobayashi, p.216, pl.12, fig.5. Paratype.
- PA4873. *Amphoton spinula* Kobayashi, p.222, pl.12, fig.19.
- PA4874. *Amphoton* cfr. *spinula* Kobayashi, p.222, pl.12, fig.18.
- PA4875. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.25. Syntype.
- PA4876. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.26. Syntype.
- PA4877. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.27. Syntype.
- PA4878. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.28. Syntype.
- PA4879. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.29a,b. Syntype.
- PA4881. *Kootenia amanoi* Kobayashi, p.223, pl.12, fig.30. Syntype.

Kobayashi, T. (1962): The Cambro-Ordovician formations and faunas of South Korea, Part IX. Palaeontology VIII. The Machari fauna. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.14, part 1, pp.1-152, pls.1-8.

- PA1991a. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.11. [see also Kobayashi (1949)]
- PA1991b. *Olenus asiaticus* Kobayashi, p.54, pl.9, fig.16a,b. Holotype. [see also Kobayashi (1944d)]
- PA1993a. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.15. [see also Kobayashi (1949)]
- PA1993b. *Acrocephalina trisulcata* Kobayashi, p.73, pl.9, fig.17, text-fig. 6a. [see also Kobayashi (1944d)]
- PA1996a. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.10. [see also Kobayashi (1949)]
- PA1996b. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.12. [see also Kobayashi (1949)]
- PA2000. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.14. [see also Kobayashi (1949)]

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- PA2002. *Glyptagnostus reticulatus* (Angelin), p.27, pl.9, fig.13. (missing) [see also Kobayashi (1949)]
- PA2309. *Kingstonia parallela* Kobayashi, p.70, pl.10, fig.18a,b. [see also Kobayashi (1958a)]
- PA2310. *Plethometopus longispinus* Kobayashi, p.68, pl.10, fig.19. [see also Kobayashi (1958a)]
- PA2311. "*Iddingsia*" *orientalis* Kobayashi, p.72, pl.10, fig.16. [see also Kobayashi (1958a)]
- PA2312. *Hamashania* (?) sp., p.70, pl.10, fig.17. [see also Kobayashi (1958a)]
- PB3984. *Lingulella manchuriensis* Walcott, p.13, pl.3, fig.9.
- PB3985. *Paterina coreanica* Kobayashi, p.13, pl.3, fig.8. Holotype.
- PB3986. *Micromitra coamisculptilis* Kobayashi, p.14, pl.1, fig.21. Holotype.
- PB3987. *Acrotreta yongwolensis* Kobayashi, p.14, pl.3, fig.6. Paratype.
- PB3988. *Acrotreta yongwolensis* Kobayashi, p.14, pl.3, fig.7. Holotype.
- PM3989a. *Propilina antiqua* Kobayashi, p.15, pl.2, fig.20a,b. Syntype.
- PA3989b. *Ptychoparia bipuncta* Kobayashi, p.44, pl.1, fig.15. Paratype.
- PM3990. *Propilina antiqua* Kobayashi, p.15, pl.2, fig.21a,b. Syntype.
- PM3991. "*Kobayashiella*" *masariensis* Kobayashi, p.16, pl.3, fig.4a,b. Holotype.
- PM3992. *Hyolithes cybele* Walcott, p.18, pl.3, fig.5.
- PA3993. *Peronopsis rakuroensis* (Kobayashi), p.28, pl.3, fig.1.
- PA3994. *Peronopsis rakuroensis* (Kobayashi), p.28, pl.3, fig.3.
- PA3995. *Peronopsis rakuroensis* (Kobayashi), p.28, pl.3, fig.2.
- PA3996a. *Phalacromina minor* Kobayashi, p.29, pl.9, fig.9. Holotype.
- PA3996b. *Hancrania brevilimbata* Kobayashi, p.55, pl.9, fig.2. Holotype.
- PA3996c. *Hancrania brevilimbata* Kobayashi, p.55, pl.9, fig.3. Paratype.
- PA3996d. *Hancrania brevilimbata* Kobayashi, p.55, pl.9, fig.4. Paratype.
- PA3996e. *Hancrania brevilimbata* Kobayashi, p.55, pl.9, fig.5. Paratype.
- PA3996f. *Hancrania brevilimbata* Kobayashi, p.55, pl.9, fig.6. Paratype.
- PA3996g. "*Hedinaspis*" *granulatum* Kobayashi, p.58, pl.9, fig.7. Holotype.
- PA3997. *Phoidagnostus obsoletus* (Kobayashi), p.30, pl.3, fig.12.
- PA3998. *Phoidagnostus obsoletus* (Kobayashi), p.30, pl.3, fig.13.
- PA3999. *Phoidagnostus obsoletus* (Kobayashi), p.30, pl.3, fig.14.
- PA4000a. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.1. Paratype.

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- PA4000b. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.3 (upper).  
Paratype.
- PA4000c. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.3 (lower).  
Paratype.
- PA4000d. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.5. Paratype.
- PA4001a. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.2. Paratype.
- PA4001b. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.4 (left).  
Paratype.
- PA4001c. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.4 (right).  
Paratype.
- PA4002a. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.6. Paratype.
- PA4002b. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.4. Paratype.
- PA4003. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.7. Paratype.
- PA4004a. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.8. Paratype.
- PA4004b. *Iwayaspis asaphoides* Kobayashi, p.122, pl.8, fig.24. Paratype.
- PA4005. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.9. Holotype.
- PA4006. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.10. Paratype.
- PA4007. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.11. Paratype.
- PA4008. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.12. Paratype.
- PA4009. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.13. Paratype.
- PA4010. *Homagnostus hisakoshii* Kobayashi, p.30, pl.8, fig.14. Paratype.
- PA4011. *Pseudagnostus primus* Kobayashi, p.31, pl.3, fig.15.
- PA4012. *Pseudagnostus primus* Kobayashi, p.31, pl.3, fig.16.
- PA4013. *Pseudagnostus primus* Kobayashi, p.31, pl.3, fig.17.
- PA4014. *Pseudagnostus primus* Kobayashi, p.31, pl.5, fig.8.
- PA4015. *Pseudagnostus primus* Kobayashi, p.31, pl.5, fig.9.
- PA4016. *Pseudagnostus primus* Kobayashi, p.31, pl.5, fig.10.
- PA4017. *Pseudagnostus primus* Kobayashi, p.31, pl.5, fig.11.
- PA4018. *Pseudagnostus primus* Kobayashi, p.31, pl.5, fig.12.
- PA4019. *Pseudagnostus marginisulcatus* Kobayashi, p.32, pl.3, fig.10.  
Holotype.
- PA4020. *Pseudagnostus marginisulcatus* Kobayashi, p.32, pl.3, fig.11.  
Paratype.
- PA4021. *Olenoides asiaticus* Kobayashi, p.32, pl.1, fig.22.
- PA4022. *Olenoides asiaticus* Kobayashi, p.32, pl.1, fig.23.
- PA4023. *Olenoides asiaticus* Kobayashi, p.32, pl.1, fig.24.

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- PA4024. *Olenoides asiaticus* Kobayashi, p.32, pl.1, fig.25.
- PA4025. *Tonkinella kobayashii* Resser, p.34, pl.1, fig.3.
- PA4026. *Tonkinella kobayashii* Resser, p.34, pl.1, fig.4.
- PA4027. *Amphoton deois* (Walcott), p.34, pl.10, fig.13.
- PA4028.\* *Tingocephalus concavolimbatus* (Endo), p.35, pl.10, fig.5.
- PA4029. *Eochuangia hana* Kobayashi, p.35, pl.5, fig.15a,b.
- PA4030. *Eochuangia hana* Kobayashi, p.35, pl.5, fig.16.
- PA4031. *Eochuangia hana* Kobayashi, p.35, pl.5, fig.17.
- PA4032. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.8.
- PA4033a. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.9.
- PA4033b. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.10.
- PA4034. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.11.
- PA4035a. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.12.
- PA4035b. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.13.
- PA4036a. *Eochuangia hana conica* Kobayashi, p.35, pl.7, fig.14.
- PA4036b. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.7, fig.15.
- PA4036c. Meraspid, gen. et sp. indt., p.124, pl.8, fig.16.
- PA4037. *Lisania conica* Kobayashi, p.36, pl.5, fig.3. Holotype.
- PA4038a. *Lisania conica* Kobayashi, p.36, pl.5, fig.4. Paratype.
- PA4038b. *Komaspis* (*Parairvingella*) *megalops* Kobayashi, p.37, pl.8, fig.19.
- PA4039. *Komaspis* (*Parairvingella*) *convexus* Kobayashi, p.37, pl.2, fig.22.  
(missing)
- PA4040. *Komaspis* (*Parairvingella*) *convexus* Kobayashi, p.37, pl.4, fig.1.  
(missing)
- PA4041a. *Komaspis* (*Parairvingella*) *convexus* Kobayashi, p.37, pl.4, fig.2.
- PA4041b. *Haniwoides longissimus* Kobayashi, p.116, pl.2, fig.7. Holotype.
- PA4042. *Komaspis* (*Parairvingella*) *megalops* Kobayashi, p.37, pl.8, fig.17.  
Holotype.
- PA4043. *Komaspis* (*Parairvingella*) *megalops* Kobayashi, p.37, pl.8, fig.18.  
Paratype.
- PA4044a. *Komaspis* (*Parairvingella*) *megalops* Kobayashi, p.37, pl.8, fig.20.  
Paratype.
- PA4044b. *Iwayaspis asaphoides* Kobayashi, p.122, pl.9, fig.24. Paratype.
- PA4045. *Komaspis* (*Parairvingella*) *megalops* Kobayashi, p.37, pl.8, fig.21.  
Paratype.



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- PA4046. *Komaspis (Parairvingella) megalops* Kobayashi, p.37, pl.8, fig.22. Paratype.
- PA4047a. *Ptychoparia kochibei* Walcott, p.42, pl.10, fig.1.
- PA4047b. *Ptychoparia kochibei* Walcott, p.42, pl.10, fig.2.
- PA4048a. *Ptychoparia kochibei* Walcott, p.42, pl.10, fig.3.
- PA4048b. *Ptychoparia kochibei* Walcott, p.42, pl.10, fig.4.
- PA4049. *Ptychoparia orientalis* Resser and Endo, p.43, pl.11, fig.13.
- PA4050. *Ptychoparia bipuncta* Kobayashi, p.44, pl.1, fig.14. Holotype.
- PA4051. *Ptychoparia bipuncta* Kobayashi, p.44, pl.1, fig.16. Paratype.
- PA4052. *Ptychoparia bipuncta* Kobayashi, p.44, pl.1, fig.17. Paratype.
- PA4053. *Ptychoparia bipuncta* Kobayashi, p.44, pl.10, fig.8. Paratype.
- PA4054. *Elrathia chuwaensis* Kobayashi, p.47, pl.10, fig.14.
- PA4055. *Elrathia chuwaensis* Kobayashi, p.47, pl.10, fig.15.
- PA4056. *Elrathia chuwaensis* Kobayashi, p.47, pl.11, fig.9.
- PA4057. *Elrathia chuwaensis* Kobayashi, p.47, pl.11, fig.10.
- PA4058. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.1.
- PA4059a. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.2.
- PA4059b. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.5.
- PA4060. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.3.
- PA4061. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.4.
- PA4062. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.6.
- PA4063a. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.7.
- PA4063b. *Elrathia hoboï* Resser and Endo, p.48, pl.11, fig.8.
- PA4064. *Elrathia* cfr. *hoboï* Resser and Endo, p.49, pl.11, fig.12.
- PA4065. *Elrathia spinifera* Kobayashi, p.49, pl.2, fig.10. Paratype.
- PA4066. *Elrathia spinifera* Kobayashi, p.49, pl.2, fig.11. Holotype.
- PA4067. *Elrathia spinifera* Kobayashi, p.49, pl.2, fig.12. Paratype.
- PA4068. *Elrathia spinifera* Kobayashi, p.49, pl.2, fig.13. Paratype.
- PA4069. *Elrathiella taira* Kobayashi, p.50, pl.4, fig.3. Holotype.
- PA4070. *Elrathiella taira* Kobayashi, p.50, pl.4, fig.4. Paratype.
- PA4071. *Amecephalus saitoi* Kobayashi, p.51, pl.11, fig.11, text-fig.2e. Holotype.
- PA4072. *Ctenopyge* (?) sp., p.56, pl.8, fig.23.
- PA4073. *Rhodonaspis* (?) *similis* Kobayashi, p.59, pl.9, fig.1. Holotype.

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- PA4074. *Paragraulos parvicaulis* Kobayashi, p.62, pl.1, fig.2. Holotype.
- PA4075. *Yongwolia ovata* Kobayashi, p.63, pl.1, fig.1. Holotype.
- PA4076. *Yongwolia kagasi* Kobayashi, p.63, pl.10, fig.10. Holotype.
- PA4077. *Megagraulos medius* Kobayashi, p.66, pl.2, fig.2. Syntype.
- PA4078. *Megagraulos medius* Kobayashi, p.66, pl.2, fig.3. Syntype.
- PA4079. *Megagraulos breviscapus* Kobayashi, p.66, pl.2, fig.1. Holotype.
- PA4080. *Megagraulos* cfr. *coreanicus* Kobayashi, p.66, pl.10, fig.11.
- PA4081. *Metagraulos* sp. nov., p.67, pl.5, fig.14.
- PA4082. *Metagraulos* (?) sp. nov., p.67, pl.5, fig.1.
- PA4083. *Solenoparia subtoxea* Kobayashi, p.70, pl.5, fig.5. Holotype.
- PA4084. *Mesocrevicephalus subquadratus* (Kobayashi), p.75, pl.1, fig.18.
- PA4085. *Mesocrevicephalus subquadratus* (Kobayashi), p.75, pl.2, fig.14.
- PA4086. *Mesocrevicephalus subquadratus* (Kobayashi), p.75, pl.10, fig.6.
- PA4087. *Mesocrevicephalus subquadratus* (Kobayashi), p.75, pl.10, fig.7.
- PA4088. *Mesocrevicephalus airaghii* (Kobayashi), p.75, pl.1, fig.19.
- PA4089. *Mesocrevicephalus airaghii* (Kobayashi), p.75, pl.10, fig.9.
- PA4090. *Conocephalites ornatus* Brögger, p.76, pl.9, fig.18. Holotype.
- PA4091. "*Westergaardella*" *coreanica* Kobayashi, p.78, pl.9, fig.8. Holotype.
- PA4092. *Anomocarella coreanica* Kobayashi, p.91, pl.1, fig.8. Holotype.
- PA4093. *Anomocarella coreanica* Kobayashi, p.91, pl.1, fig.9. Paratype.
- PA4094. *Anomocarella coreanica* Kobayashi, p.91, pl.1, fig.10. Paratype.
- PA4095. *Anomocarella coreanica* Kobayashi, p.91, pl.1, fig.11. Paratype.
- PA4096. *Anomocarella coreanica* Kobayashi, p.91, pl.1, fig.26. Paratype.
- PA4097. *Anomocarella coreanica* Kobayashi, p.91, pl.2, fig.6. Paratype.
- PA4098. *Anomocarella coreanica* Kobayashi, p.91, pl.2, fig.16. Paratype.
- PA4099. *Anomocarella coreanica longa* Kobayashi, p.91, pl.1, fig.7. Syntype.
- PA4100. *Anomocarella coreanica longa* Kobayashi, p.91, pl.2, fig.17. Syntype.
- PA4101. *Anomocarella* (*Entorachis*) *brevifrons* Kobayashi, p.93, pl.1, fig.13.
- PA4102. *Anomocarella* (*Entorachis*) *brevifrons* Kobayashi, p.93, pl.5, fig.21.
- PA4103. *Anomocarella* (*Entorachis*) *brevifrons* Kobayashi, p.93, pl.5, fig.22. (missing)

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- PA4104. *Anomocarella (Entorachis) longifrons* (Kobayashi), p.93, pl.4, fig.18a,b.
- PA4105. *Anomocarella (Entorachis) longifrons* (Kobayashi), p.93, pl.4, fig.19.
- PA4106. *Anomocarella (Entorachis) gracilis* Kobayashi, p.93, pl.5, fig.7. Holotype.
- PA4107. *Anomocarella (Entorachis) sp. nov.*, p.94, pl.2, fig.4.
- PA4108. *Hundwarella (Honanaspis ?) matsushitai* Kobayashi, p.95, pl.12, fig.1a,b. Holotype.
- PA4110. *Proasaphiscus yabei* Resser and Endo, p.98, pl.12, fig.3, text-fig.9o.
- PA4111. *Proasaphiscus huoliensis* Endo, p.98, pl.12, fig.2.
- PA4112. *Lioparella longifolia* Kobayashi, p.100, pl.1, fig.20a,b. Holotype.
- PA4113. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.1. Paratype.
- PA4114. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.2. Holotype.
- PA4115. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.3. Paratype.
- PA4116. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.4. Paratype.
- PA4117. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.5. Paratype.
- PA4118. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.6. Paratype.
- PA4119. *Koptura bispinata* Kobayashi, p.101, pl.7, fig.7. Paratype.
- PA4120. *Koptura cfr. bispinata* Kobayashi, p.103, pl.10, fig.12.
- PA4121. *Coosia (?) sp.*, p.105, pl.3, fig.24.
- PA4122. *Eymekops perlongatus* Kobayashi, p.114, pl.1, fig.5. Syntype.
- PA4123. *Eymekops perlongatus* Kobayashi, p.114, pl.1, fig.6. Syntype.
- PA4124. *Eymekops mesops* Kobayashi, p.115, pl.5, fig.13. Holotype.
- PA4125a. *Haniwoides tenuis* Kobayashi, p.116, pl.2, fig.8. Syntype.
- PA4125b. *Haniwoides tenuis* Kobayashi, p.116, pl.2, fig.9. Syntype.
- PA4126. *Haniwoides (?) puteolatus* Kobayashi, p.116, pl.2, fig.18. Paratype.
- PA4127. *Haniwoides (?) puteolatus* Kobayashi, p.116, pl.2, fig.19. Paratype.
- PA4128a. *Haniwoides (?) puteolatus* Kobayashi, p.116, pl.3, fig.18. Paratype.
- PA4128b. *Proceratopyge (Kogenium) rotundum* Kobayashi, p.120, pl.4, fig.8.
- PA4129. *Haniwoides (?) puteolatus* Kobayashi, p.116, pl.3, fig.19. Holotype.

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- PA4130. *Haniwoides* (?) *puteolatus* Kobayashi, p.116, pl.3, fig.20. Paratype.
- PA4131. *Haniwoides* (?) *puteolatus* Kobayashi, p.116, pl.3, fig.21. Paratype.
- PA4132. *Haniwoides* (?) *puteolatus* Kobayashi, p.116, pl.3, fig.22. Paratype.
- PA4133. *Briscoia* (?) sp., p.117, pl.3, fig.23.
- PA4134. *Proceratopyge* (*Proceratopyge*) sp., p.118, pl.5, fig.2.
- PA4135. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.5.
- PA4136. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.6.
- PA4137. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.7.
- PA4138. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.9.
- PA4139. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.10.
- PA4140. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.11.
- PA4141. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.12.
- PA4142. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.13.
- PA4143. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.14.
- PA4144. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.15.
- PA4145. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.16.
- PA4146. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.17.
- PA4147a. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.20.
- PA4147b. *Proceratopyge* (*Kogenium*) *rotundum* Kobayashi, p.120, pl.4, fig.21.
- PA4148. *Proceratopyge* (*Lopnorites*) *rectispicatus* Troedsson, p.120, pl.6, fig.11.
- PA4149. *Proceratopyge* (*Lopnorites*) *rectispicatus* Troedsson, p.120, pl.6, fig.12.
- PA4150. *Proceratopyge* (*Lopnorites* ?) *robustus* Kobayashi, p.121, pl.6, fig.13. Syntype.
- PA4151. *Proceratopyge* (*Lopnorites* ?) *robustus* Kobayashi, p.121, pl.9, fig.23a. Syntype.
- PA4152. *Proceratopyge* (*Lopnorites* ?) *robustus* Kobayashi, p.121, pl.9, fig.23b. Syntype.
- PA4153a. cfr. *Proceratopyge* (*Lopnorites* ?) *robustus* Kobayashi, p.121, pl.9, fig.22.
- PA4153b. *Meraspis* (?), gen. et sp. indt., p.124, pl.8, fig.15.
- PA4154a. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.1. Holotype.
- PA4154b. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.6. Paratype.

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- PA4155. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.2. Paratype.  
PA4156. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.3. Paratype.  
PA4157. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.5. Paratype.  
PA4158. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.7. Paratype.  
PA4159. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.8. Paratype.  
PA4160. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.9. Paratype.  
PA4161. *Iwayaspis asaphoides* Kobayashi, p.122, pl.6, fig.10. Paratype.  
PA4162. Free cheek, gen. et sp. indt., p.124, pl.5, fig.19.  
PA4163. Pygidium, gen. et sp. indt., p.124, pl.5, fig.20.  
PA4164. Immature pygidium, gen. et sp. indt., p.124, pl.5, fig.6.  
PA4165. Immature pygidium, gen. et sp. indt., p.124, pl.5, fig.23.  
PA4166. Hypostoma, gen. et sp. indt., p.125, pl.1, fig.12.  
PA4167. Hypostoma, gen. et sp. indt., p.125, pl.2, fig.5.

Kobayashi, T. (1973a): On the classification of the fossil Conchostraca and the discovery of estheriids in the Cretaceous of Borneo. *Geol. Palaeont. Southeast Asia*, vol.13, pp.47-72, pl.6.

- MA9144a. *Pseudocyclograpta hashimotoi* Kobayashi, p.67, pl.6, fig.1. Holotype.  
MA9144b. *Pseudocyclograpta hashimotoi* Kobayashi, p.67, pl.6, figs.2,5. Paratype.  
MA9144c. *Pseudocyclograpta hashimotoi* Kobayashi, p.67, pl.6, fig.3. Paratype.  
MA9144d. *Pseudocyclograpta hashimotoi* Kobayashi, p.67, pl.6, fig.4. Paratype.  
MA9144e. Lioestheriid (?) gen. et sp. indt., p.68, pl.6, fig.6.  
MA9144f. *Lioestheria* sp., p.68, pl.6, fig.7.  
MA9144g. Asmusiid (?) gen. et sp. indt., p.68, pl.6, fig.8.

Kobayashi, T. (1973b): A Norian conchostracan from the basal part of the Khorat Group in central Thailand. *Proc. Japan Acad.*, vol.49, no.10, pp.825-828.

- MA9145a. *Euestheria mansuyi* Kobayashi, p.825, text-fig.1.

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Kobayashi, T. (1975): Upper Triassic estheriids in Thailand and the conchostracan development in Asia in the Mesozoic Era. *Geol. Palaeont. Southeast Asia*, vol.16, pp.57-90, pl.7.

- MA9145a. *Euestheria mansuyi* Kobayashi, p.79, pl.7, fig.7. [see also Kobayashi (1973b)]
- MA9145b. *Euestheria thailandica* Kobayashi, p.80, pl.7, fig.6. Holotype.
- MA9146. *Euestheria buravasi* Kobayashi, p.80, pl.7, fig.8. Paratype.
- MA9147. *Euestheria buravasi* Kobayashi, p.80, pl.7, fig.9. Holotype.
- MA9148a. *Khoratestheria macroumbo* Kobayashi, p.81, pl.7, fig.5. Holotype.
- MA9148b. *Cyclestherioides bunopasi* Kobayashi, p.81, pl.7, fig.4. Holotype.
- MA9149. *Metarhabdosticha* (?) sp., p.82, pl.7, fig.3.
- MA9150. *Asmussia symmetrica* Kobayashi, p.82, pl.7, figs.1,2. Holotype.

Kobayashi, T. (1977a): Manchuroceras found in South Korea with notes on the Manchuroceratidae and the Manchuroceras province. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.105, pp.17-26, pls.3,4.

- PM4882. *Manchuroceras* cf. *platyventrum* (Grabau), p.22, pl.3, figs.1a,b.
- PM4883. *Manchuroceras kobayashii* Obata, p.23, pl.4, fig.1a-c.
- PM4884. *Manchuroceras tenuise* Kobayashi, p.23, pl.4, fig.2a,b. Holotype.
- PM4885. *Manchuroceras hanense* Kobayashi, p.24, pl.3, fig.2a-c. Holotype.
- PM4886. *Manchuroceras* ? sp., p.24, pl.3, fig.3a,b.

Kobayashi, T. (1977b): An occurrence of Ordosoceras in Jehol, northeast China, and a note on the Polydesmiidae. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.107, pp.125-134, pls.17,18.

- PM3894. *Ordosoceras jeholense* Kobayashi, p.128, pl.17, figs.1,2, pl.18, figs.2-4. Holotype.

Kobayashi, T. (1977c): Selkirkoceras in South Korea and its bearing on the Cambro-Ordovician Chosen group. *Proc. Japan Acad.*, vol.53, ser.B, no.3, pp.90-94.

- PM4209. *Selkirkoceras taepaekense* Kobayashi, p.92, text-fig.1. Holotype.

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Kobayashi, T. and Amano, M. (1955): On the pseudoquadratae trigonians, *Steinmannella*, in the Indo-Pacific province. *Japan. Jour. Geol. Geogr.*, vol.27, nos.3-4, pp.193-208, pls.13-15.

- MM4413. *Steinmannella (Yeharella) japonica* (Yehara), p.201, pl.14, fig. 1a,b.
- MM4414. *Steinmannella (Yeharella) japonica* (Yehara), p.201, pl.14, fig.2.
- MM4415. *Steinmannella (Yeharella) japonica* (Yehara), p.201, pl.14, fig.3.
- MM4416. *Steinmannella (Yeharella) japonica* (Yehara), p.201, pl.15, fig.4.
- MM4417. *Steinmannella (Yeharella) japonica* var. *obsoleta* Kobayashi and Amano, p.202, pl.14, fig.4. Syntype.
- MM4418. *Steinmannella (Yeharella) japonica* var. *obsoleta* Kobayashi and Amano, p.202, pl.14, fig.5a,b. Syntype.
- MM4419. *Steinmannella (Yeharella) lymani* Kobayashi and Amano, p.203, pl. 13, fig.3a,b. Holotype.
- MM4420. *Steinmannella (Yeharella) jimboi* Kobayashi and Amano, p.204, pl. 13, fig.4. Holotype.
- MM4421. *Steinmannella (Yeharella) kimurai* (Tokunaga and Shimizu), p.205, pl.13, fig.1.
- MM4422.\* *Steinmannella (Yeharella) kimurai* (Tokunaga and Shimizu), p.205, pl.13, fig.2. [The original specimen is in the Hiroshima University, Hiroshima.]
- MM4423. *Steinmannella (Yeharella) sp.*, p.206, pl.15, fig.5a,b.
- MM4424. *Steinmannella (Setotrigonia) shinoharai* Kobayashi and Amano, p. 207, pl.15, fig.1. Holotype.
- MM4425. *Steinmannella (Setotrigonia) shinoharai* Kobayashi and Amano, p. 207, pl.15, fig.2. Paratype.
- MM4426. *Steinmannella (Setotrigonia) shinoharai* Kobayashi and Amano, p. 207, pl.15, fig.3. Paratype.

Kobayashi, T. and Aoti, K. (1943): *Halobiae* in Nippon. *Jour. Shigenkagaku Kenkyusyo*, vol.1, no.2, pp.241-255, pls.24,25.

- MM5036. *Halobia kawadai* Yehara, p.245, pl.24, fig.1.
- MM5037. *Halobia kawadai* Yehara, p.245, pl.24, fig.2.
- MM5038. *Halobia kawadai* Yehara, p.245, pl.24, fig.3.
- MM5039. *Halobia kawadai* Yehara, p.245, pl.24, fig.4. (missing)
- MM5040. *Halobia alta* Kobayashi and Aoti, p.249, pl.24, figs.5,6. Holotype.
- MM5041. *Halobia longissima* Kobayashi and Aoti, p.251, pl.24, fig.7. Holotype.

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Kobayashi, T. and Aoti, K. (1943): continued

- MM5042. *Halobia obsoleta* Kobayashi and Aoti, p.248, pl.24, figs.8,9. Paratype.
- MM5043. *Halobia obsoleta* Kobayashi and Aoti, p.248, pl.24, figs.10,11. Holotype.
- MM5044. *Halobia molukkana* Wanner, p.248, pl.25, fig.15.
- MM5045. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.24, fig.13. Paratype.
- MM5046. *Halobia molukkana* Wanner, p.248, pl.25, figs.1,2.
- MM5047. *Halobia molukkana* Wanner, p.248, pl.25, fig.3.
- MM5048. *Halobia molukkana* Wanner, p.248, pl.25, fig.4.
- MM5049. *Halobia molukkana* Wanner, p.248, pl.25, fig.5.
- MM5050. *Halobia multilineata* Kobayashi and Aoti, p.249, pl.25, fig.6. Holotype.
- MM5051. *Halobia sedaka* Kobayashi and Aoti, p.247, pl.25, fig.7. Holotype.
- MM5052. *Halobia kawadai* Yehara, p.245, pl.25, fig.8.
- MM5053. *Halobia kawadai* Yehara, p.245, pl.25, fig.9.
- MM5054. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.25, fig.11. Holotype.
- MM5055. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.24, fig.12. Paratype.
- MM5056. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.25, fig.13. Paratype.
- MM5057. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.25, fig.14. Paratype.
- MM5058. *Halobia multistriata* Kobayashi and Aoti, p.250, pl.25, fig.10. Paratype.

Kobayashi, T. and Fukada, A. (1947a): A new species of *Ataxioceras* in Nippon. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.45-48, pl.11.

- MM7042. *Ataxioceras kurisakense* Kobayashi and Fukada, p.46, pl.11, fig. 2. Holotype.
- MM7044. *Ataxioceras kurisakense* Kobayashi and Fukada, p.46, pl.11, fig. 3a-c. Paratype.



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Kobayashi, T. and Fukada, A. (1947b): On the occurrence of *Katrolicerias* in the Tetori Series. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp. 49-53, pl.12.

MM7048. *Katrolicerias yokoyamai* Kobayashi and Fukada, p.50, pl.12, fig. 1a-e. Holotype.

Kobayashi, T. and Fukada, A. (1947c): On the occurrence of *Discosphinctes* in the Kitakami mountains in Nippon. *Japan. Jour. Geol. Geogr.*, vol. 20, nos.2-4, pp.55-57, pl.13.

MM7045. *Perisphinctes (Discosphinctes) isokusense* Kobayashi and Fukada [error of *isokusensis*], p.55, pl.13, fig.3. Syntype.

MM7046. *Perisphinctes (Discosphinctes) isokusense* Kobayashi and Fukada [error of *isokusensis*], p.55, pl.13, fig.2. Syntype.

MM7047. *Perisphinctes (Discosphinctes) isokusense* Kobayashi and Fukada [error of *isokusensis*], p.55, pl.13, fig.4. Syntype.

Kobayashi, T. and Hisakosi, S. (1942a): An occurrence of a Moscovian naiad in North Chosen. *Jour. Geol. Soc. Japan*, vol.49, no.590, pp.433-434.

PM1908. *Anthracomya* sp. nov., p.433, text-fig.1a. (missing)

PM1909. *Anthracomya* sp. nov., p.143, text-fig.1b. (missing)

Kobayashi, T. and Hisakosi, S. (1942b): On some naiads from the Upper Palaeozoic formations in eastern Asia. *Japan. Jour. Geol. Geogr.*, vol. 18, no.4, pp.225-235, pls.22,23.

PM1910. *Carbonicola onukii* Kobayashi and Hisakosi, p.231, pl.22, figs. 1,2. Holotype.

PM1911. *Carbonicola* (?) *khinganensis* Kobayashi and Hisakosi, p.232, pl. 22, fig.6. Syntype.

PM1912. *Carbonicola* (?) *khinganensis* Kobayashi and Hisakosi, p.232, pl. 22, fig.7. Syntype.

PM1913. *Carbonicola* (?) *soronensis* Kobayashi and Hisakosi, p.232, pl.22, fig.4. Paratype. (missing)

PM1914. *Carbonicola* (?) *soronensis* Kobayashi and Hisakosi, p.232, pl.22, fig.5. Holotype.

PM1915. *Palaeomutela chohi* Kobayashi and Hisakosi, p.233, pl.22, fig.3. Holotype.

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Kobayashi, T. and Hisakosi, S. (1942b): continued

- PM1916. *Palaeomutela hahaiensis* Kobayashi and Hisakosi, p.233, pl.22, fig.8. Holotype.  
PM1917. *Palaeomutela subrectangularis* Kobayashi and Hisakosi, p.234, text-fig. Holotype.  
PM1918. *Palaeonodonta* cfr. *longissima* Netschaef, p.234, pl.22, figs.9, 10.

Kobayashi, T. and Hukasawa, T. (1940): A new species of *Posidonia* from the Inai Series (?) in the southern Kitakami mountainland, Japan.

*Jour. Geol. Soc. Japan*, vol.47, no.567, pp.517-519.

- MM5035a. *Posidonia japonica* Kobayashi and Hukasawa, p.517, text-fig.A. Syntype.  
MM5035b. *Posidonia japonica* Kobayashi and Hukasawa, p.517, text-fig.B. Syntype.  
MM5035c. *Posidonia japonica* Kobayashi and Hukasawa, p.517, text-fig.C. Syntype.  
MM5035d. *Posidonia japonica* Kobayashi and Hukasawa, p.517, text-fig.D. Syntype.

Kobayashi, T. and Huzita, A. (1942): *Estheriae* in the Cretaceous Sungari Series in Manchoukuo. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.6, part 7, pp.107-128, pls.1,2.

- MA4703. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.1. Syntype.  
MA4704. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.2. Syntype.  
MA4705. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.3. Syntype.  
MA4706. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.4. Syntype.  
MA4707. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.5. Syntype.  
MA4708. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, fig.6. Syntypes (several individuals).  
MA4709. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.1, figs.7, 8. Syntypes (numerous individuals).  
MA4710. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.2, fig.1. Syntype.

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Kobayashi, T. and Huzita, A. (1942): continued

- MA4711. "*Estheria*" *mitsuishii* Kobayashi and Huzita, p.108, pl.2, fig.2. Syntype.
- MA4712. *Estheria septentrionalis* Kobayashi and Huzita, p.118, pl.2, fig. 5. Syntype.
- MA4713. *Estheria septentrionalis* Kobayashi and Huzita, p.118, pl.2, fig. 6. Syntype.
- MA4714. *Estheria* cfr. *nengkiangensis* Chi, p.120, pl.2, fig.4.
- MA4715. *Estheria* aff. *amurensis* Chernyshev, p.121, pl.2, fig.3.

Kobayashi, T. and Ichikawa, K. (1949a): *Tosapecten* gen. nov. and other Upper Triassic Pectinidae from the Sakawa basin in Shikoku, Japan.

*Japan. Jour. Geol. Geogr.*, vol.21, nos.1-4, pp.163-171, pl.5.

- MM4225.\* *Tosapecten suzukii* var. *fujimotoi* (Kobayashi), p.169, pl.5, fig. 15. Holotype. (missing) [see also Kobayashi (1935b)]
- MM5029. *Tosapecten suzukii* (Kobayashi), p.167, pl.5, fig.9. Holotype. [see also Kobayashi (1931)]
- MM5032. *Tosapecten suzukii* var. *inflatus* Kobayashi and Ichikawa, p.169, pl.5, fig.17. Holotype.
- MM5187. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.165, pl.5, figs. 1,2. Holotype.
- MM5188. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.165, pl.5, fig.3. Paratype.
- MM5189. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.165, pl.5, fig.4. Paratype.
- MM5190. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.165, pl.5, fig.5. Paratype.
- MM5191. *Chlamys mojsisovicsi* var. *toyamai* Kobayashi and Ichikawa, p.166, pl.5, fig.6. Holotype.
- MM5192. *Chlamys mojsisovicsi* var. *toyamai* Kobayashi and Ichikawa, p.166, pl.5, fig.7. Paratype.
- MM5193. *Chlamys mojsisovicsi* var. *toyamai* Kobayashi and Ichikawa, p.166, pl.5, fig.8. Paratype.
- MM5196. *Tosapecten suzukii* (Kobayashi), p.167, pl.5, fig.10. Paratype.
- MM5197. *Tosapecten suzukii* (Kobayashi), p.167, pl.5, fig.11. Paratype.
- MM5198. *Tosapecten suzukii* (Kobayashi), p.167, pl.5, fig.12. Paratype.
- MM5199. *Tosapecten suzukii* forma *hirogariformis* Kobayashi and Ichikawa, p.168, pl.5, fig.13. Holotype.

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Kobayashi, T. and Ichikawa, K. (1949a): continued

- MM5200. *Tosapecten suzukii* forma *regularis* Kobayashi and Ichikawa, p.168, pl.5, fig.14. Holotype.
- MM5202. *Tosapecten suzukii* var. *paucicostatus* Kobayashi and Ichikawa, p.169, pl.5, fig.16. Holotype.
- MM5203. *Pecten suzukii* var. *inflatus* Kobayashi and Ichikawa [error of *Tosapecten*], p.166, pl.5, fig.18. Paratype.
- MM5204. *Tosapecten pseudohiemalis* Kobayashi and Ichikawa, p.169, pl.5, fig.19. Holotype.
- MM5205. *Tosapecten pseudohiemalis* var. *mabarus* Kobayashi and Ichikawa, p.170, pl.5, fig.20. Holotype.

Kobayashi, T. and Ichikawa, K. (1949b): Myophoria and other Upper Triassic pelecypods from the Sakawa basin in Shikoku, Japan. *Japan. Jour. Geol. Geogr.*, vol.21, nos.1-4, pp.177-187, pl.6.

- MM5211. *Lima naumanni* Kobayashi and Ichikawa, p.177, pl.6, fig.14. Holotype.
- MM5212. *Lima naumanni* Kobayashi and Ichikawa, p.177, pl.6, fig.15. Paratype.
- MM5213. *Lima naumanni* Kobayashi and Ichikawa, p.177, pl.6, fig.13. Paratype. (missing)
- MM5214. *Lima naumanni* var. *obliqua* Kobayashi and Ichikawa, p.178, pl.6, fig.17. Holotype.
- MM5215. *Lima naumanni* var. *obliqua* Kobayashi and Ichikawa, p.178, pl.6, fig.16. Paratype.
- MM5218. *Lima* (*Plagiostoma* ?) *kuromagariensis* Kobayashi and Ichikawa, p.179, pl.6, fig.4. Holotype.
- MM5219. "*Cassianella*" *dubia* Kobayashi and Ichikawa, p.184, pl.6, fig.10 a,b. Holotype.
- MM5220. *Halobia kashiwaiensis* Kobayashi and Ichikawa, p.185, pl.6, fig.11. Holotype.
- MM5221. *Halobia aotii* Kobayashi and Ichikawa, p.185, pl.6, fig.12.
- MM5223. *Myophoria dieneri* Ichikawa, p.181, pl.6, fig.1. Holotype.
- MM5224. *Myophoria dieneri* Ichikawa, p.181, pl.6, fig.2. Paratype.
- MM5225. *Myophoria dieneri* var. *longa* Ichikawa, p.181, pl.6, fig.3. Holotype.
- MM5227. *Myophoria nakajimensis* Ichikawa, p.180, pl.6, fig.4. Holotype.
- MM5228. *Myophoria* sp. nov., p.183, pl.6, fig.5.
- MM5229. *Myophoria umenokiensis* Ichikawa, p.183, pl.6, fig.6. Holotype.

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Kobayashi, T. and Ichikawa, K. (1949b): continued

- MM5231. *Myophoria okuminotaniensis* Ichikawa, p.181, pl.6, fig.8. Holotype.  
MM5232. *Myophoria okuminotaniensis* Ichikawa, p.181, pl.6, fig.9. Paratype.  
MM5233. *Myophoria okuminotaniensis* Ichikawa forma a, p.181, pl.6, fig.7.  
(missing)

Kobayashi, T. and Ichikawa, K. (1949c): Late Triassic "Pseudomonotis"  
from the Sakawa basin in Shikoku, Japan. *Japan. Jour. Geol. Geogr.*,  
vol.21, nos.1-4, pp.245-262, pls.9,10.

- MM5249. *Pseudomonotis (Eumorphotis) aff. spitzbergensis* (Boehm), p.247,  
pl.10, fig.9.  
MM5250. *Pseudomonotis (Eumorphotis) aff. spitzbergensis* (Boehm), p.247,  
pl.10, fig.10.  
MM5251. *Pseudomonotis (Eumorphotis) aff. spitzbergensis* (Boehm), p.247,  
pl.10, fig.11.  
MM5253. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.12.  
MM5254a. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.13.  
MM5254b. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.14.  
MM5255. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.15.  
MM5256. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.16.  
MM5257. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.17.  
MM5258. *Entomonotis zabaikalica* (Kiparisova), p.257, pl.10, fig.18.  
MM5260. *Entomonotis zabaikalica* (Kiparisova) var. *intermedia* Kobayashi  
and Ichikawa, p.258, pl.10, fig.19. Paratype.  
MM5261. *Entomonotis zabaikalica* (Kiparisova) var. *intermedia* Kobayashi  
and Ichikawa, p.258, pl.10, fig.20. Holotype.  
MM5267. *Entomonotis ambigua* (Teller), p.255, pl.9, fig.13.  
MM5271. *Entomonotis cfr. ambigua* (Teller), p.255, pl.9, fig.9.  
MM5272. *Entomonotis pachypleura* (Teller), p.256, pl.9, fig.10.  
MM5273. *Entomonotis multistriata* Kobayashi and Ichikawa, p.255, pl.9,  
fig.11. Holotype.  
MM5274. *Entomonotis multistriata* Kobayashi and Ichikawa, p.255, pl.9,  
fig.14. Paratype.  
MM5275. *Entomonotis cfr. multistriata* Kobayashi and Ichikawa, p.255, pl.9,  
fig.12.  
MM5276. *Entomonotis tenuicostata* Kobayashi and Ichikawa, p.259, pl.9,  
fig.6. Holotype.

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Kobayashi, T. and Ichikawa, K. (1949c): continued

- MM5277. *Entomonotis tenuicostata* Kobayashi and Ichikawa, p.259, pl.9, fig.7. Paratype.
- MM5278. *Entomonotis tenuicostata* var. *mabara* Kobayashi and Ichikawa, p. 260, pl.9, fig.8. Holotype.
- MM5281. *Entomonotis ochotica* (Keyserling), p.249, pl.9, fig.1.
- MM5283. *Entomonotis ochotica* (Keyserling) var. *densistriata* Teller, p. 253, pl.9, fig.15.
- MM5284. *Entomonotis ochotica* (Keyserling) var. *eurachis* Teller, p.252, pl.9, fig.2.
- MM5285. *Entomonotis ochotica* (Keyserling) var. *eurachis* Teller, p.252, pl.9, fig.3.
- MM5286. *Entomonotis ochotica* (Keyserling) var. *eurachis* Teller, p.252, pl.9, fig.4.
- MM5287. *Entomonotis ochotica* cfr. var. *eurachis* (Teller), p.253, pl.9, fig.5.

Kobayashi, T. and Ichikawa, K. (1950a): Late Triassic *Mytilus*, *VolSELLa*, *Pleurophorus* and *Myoconcha* from the Sakawa basin in Shikoku, Japan.

*Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.7, part 3, pp.207-215, pl.1.

- MM5133. *VolSELLa paronaiformis* Kobayashi and Ichikawa, p.210, pl.1, fig. 1. Holotype.
- MM5134a. *Mytilus (Falcimylus) nasai* Kobayashi and Ichikawa, p.208, pl.1, fig.2. Holotype.
- MM5134b. *Mytilus (Falcimylus) nasai* Kobayashi and Ichikawa, p.208, pl.1, fig.3. Paratype.
- MM5135. *Mytilus (Falcimylus) nasai* var. *nagaides* Kobayashi and Ichikawa, p.209, pl.1, fig.4. Holotype.
- MM5136. *Mytilus (Falcimylus) nasai* var. *hirataides* Kobayashi and Ichikawa, p.209, pl.1, fig.5. Holotype.
- MM5139. *Mytilus tenuiformis* Kobayashi and Ichikawa, p.207, pl.1, fig.7. Holotype.
- MM5140. *Mytilus tenuiformis* var. *punctatus* Kobayashi and Ichikawa, p.208, pl.1, fig.8. Holotype.
- MM5141. *Mytilus (Falcimylus)* sp. nov., p.210, pl.1, fig.6.
- MM5144. *Pleurophorus oblongatus* Kobayashi and Ichikawa, p.212, pl.1, fig. 10. Holotype.
- MM5145. *Pleurophorus oblongatus* var. *compressus* Kobayashi and Ichikawa, p.212, pl.1, fig.9. Holotype.

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Kobayashi, T. and Ichikawa, K. (1950a): continued

- MM5148. *Myoconcha trapezoidalis* Kobayashi and Ichikawa, p.213, pl.1, fig. 13. Holotype.
- MM5149. *Myoconcha trapezoidalis* Kobayashi and Ichikawa, p.213, pl.1, fig. 12. Paratype.
- MM5151. *Myoconcha trapezoidalis* var. *posteroexpansa* Kobayashi and Ichikawa, p.214, pl.1, fig.11. Holotype.

Kobayashi, T. and Ichikawa, K. (1950b): Triassic *Oxytoma* from the Sakawa basin in Shikoku, Japan. *Jour. Fac. Sci. Univ. Tokyo*, ser.2, vol.7, part 3, pp.217-229, pls.2,3.

- MM5101. *Oxytoma yeharai* Kobayashi and Ichikawa, p.222, pl.2, fig.1. Holotype.
- MM5102. *Oxytoma yeharai* Kobayashi and Ichikawa, p.222, pl.2, fig.2. Paratype.
- MM5103. *Oxytoma zitteli* (Teller), p.220, pl.2, fig.3.
- MM5104. *Oxytoma zitteli* (Teller), p.220, pl.2, fig.4.
- MM5105. *Oxytoma zitteli* (Teller), p.220, pl.2, fig.5.
- MM5106. *Oxytoma zitteli* (Teller), p.220, pl.2, fig.6.
- MM5109. *Oxytoma subzitteli* Kobayashi and Ichikawa, p.221, pl.2, fig.7a,b. Holotype.
- MM5110. *Oxytoma subzitteli* Kobayashi and Ichikawa, p.221, pl.2, fig.8. Paratype.
- MM5111. *Oxytoma yeharai* Kobayashi and Ichikawa, p.222, pl.3, fig.13a,b. Paratype.
- MM5112. "*Oxytoma*" *dieneri* Kobayashi and Ichikawa, p.226, pl.2, fig.9. Holotype.
- MM5113. *Oxytoma* sp. nov., p.227, pl.2, fig.10.
- MM5114. *Oxytoma* sp. nov., p.227, pl.2, fig.11.
- MM5115. *Oxytoma* sp. nov., p.227, pl.2, fig.12.
- MM5116. *Oxytoma kashiwaiensis* Kobayashi and Ichikawa, p.223, pl.3, fig.1. Holotype.
- MM5117. *Oxytoma kashiwaiensis* Kobayashi and Ichikawa, p.223, pl.3, fig.2. Paratype.
- MM5118. *Oxytoma kashiwaiensis* Kobayashi and Ichikawa, p.223, pl.3, fig.3. Paratype.
- MM5119. *Oxytoma pulchra* Kobayashi and Ichikawa, p.224, pl.3, fig.4. Holotype.

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Kobayashi, T. and Ichikawa, K. (1950b): continued

- MM5120. *Oxytoma sujimabara* Kobayashi and Ichikawa, p.224, pl.3, fig.5. Holotype.
- MM5121. *Oxytoma sujimabara* Kobayashi and Ichikawa, p.224, pl.3, fig.6. Paratype.
- MM5122. *Oxytoma sujimabara* Kobayashi and Ichikawa, p.224, pl.3, fig.7. Paratype.
- MM5123. *Oxytoma sedaka* Kobayashi and Ichikawa, p.225, pl.3, fig.8. Holotype.
- MM5124. *Oxytoma sedaka* Kobayashi and Ichikawa, p.225, pl.3, fig.9. Paratype.
- MM5125. *Oxytoma sedaka* Kobayashi and Ichikawa, p.225, pl.3, fig.10. Paratype.
- MM5126. *Oxytoma sedaka* Kobayashi and Ichikawa, p.225, pl.3, fig.11. Paratype.
- MM5127. *Oxytoma sedaka* Kobayashi and Ichikawa, p.225, pl.3, fig.12. Paratype.

Kobayashi, T. and Ichikawa, K. (1950c): Anodontophora and some other Carnic pelecypods from the Sakawa basin, in Shikoku, Japan. *Jour. Fac. Sci. Univ. Tokyo*, ser.2, vol.7, part 3, pp.231-243, pl.4.

- MM5152. *Anodontophora kochigataniensis* Kobayashi and Ichikawa, p.231, pl.4, fig.1. Holotype.
- MM5153. *Anodontophora kochigataniensis* Kobayashi and Ichikawa, p.231, pl.4, fig.2. Paratype.
- MM5154. *Anodontophora kochigataniensis* Kobayashi and Ichikawa, p.231, pl.4, fig.3. Paratype.
- MM5155. *Anodontophora kochigataniensis* Kobayashi and Ichikawa, p.231, pl.4, fig.4. Paratype.
- MM5156. *Anodontophora kochigataniensis* var. *hiratai* Kobayashi and Ichikawa, p.232, pl.4, fig.5.
- MM5157. *Anodontophora carinata* Kobayashi and Ichikawa, p.233, pl.4, fig. 6a,b. Holotype.
- MM5158. *Anodontophora* sp. nov., p.233, pl.4, fig.7.
- MM5159. *Pleuromya forsbergi* (Bühm) *nipponica* Kobayashi and Ichikawa, p. 235, pl.4, fig.8a-c. Holotype.
- MM5161. "*Cultellus*"? *ellipsoidalis* Kobayashi and Ichikawa, p.237, pl.4, fig.9a,b.
- MM5162. "*Megalodus*" a sp., p.234, pl.4, fig.10a,b.



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Kobayashi, T. and Ichikawa, K. (1950c): continued

- MM5163. "*Megalodus*" (?) b sp., p.235, pl.4, fig.11a,b.  
MM5164. "*Parallelodon*" *infrequens* Kobayashi and Ichikawa, p.239, pl.4, fig.12. Holotype.  
MM5166. Gen. et sp. nov. indet. a, p.240, pl.4, fig.13a-c. (missing)  
MM5167. Gen. et sp. indet. b, p.241, pl.4, fig.14.

Kobayashi, T. and Ichikawa, K. (1951): On *Palaeopharus*, a Late Triassic pelecypod genus. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.1, pp. 7-12, pl.1.

- MM5301. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.9, pl.1, figs. 1a,b,2,3a,b. Holotype.  
MM5302. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.9, pl.1, fig. 4a,b. Paratype.  
MM5303. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.9, pl.1, fig. 5a-c. Paratype.  
MM5304. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.9, pl.1, fig. 6. Paratype.

Kobayashi, T. and Ichikawa, K. (1952a): The Triassic fauna of the Heki Formation in the Province of Tamba (Kyoto Prefecture), Japan. *Japan. Jour. Geol. Geogr.*, vol.22, pp.55-84, pls.1-3.

- MM4245. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.5.  
MM5026. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.4. Lectotype. [see also Saeki (1925)]  
MM5027. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.6. Paralectotype. [see also Saeki (1925)]  
MM5028. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.7. Holotype of *Trigonia yeharai* Saeki. [see also Saeki (1925)]  
MM5371. *Cardinioides japonicus* Kobayashi and Ichikawa, p.66, pl.1, fig. 10a,b. Holotype.  
MM5374a. *Cardinioides japonicus* var. *elongatus* Kobayashi and Ichikawa, p. 67, pl.1, fig.8. Holotype.  
MM5374b. *Cardinioides japonicus* var. *elongatus* Kobayashi and Ichikawa, p. 67, pl.1, fig.9. Paratype.  
MM5375. *Cardinioides splendidus* Kobayashi and Ichikawa, p.68, pl.2, fig. 1a,b. Holotype.  
MM5376. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.79, pl.3, fig.1.

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Kobayashi, T. and Ichikawa, K. (1952a) continued

- MM5377. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.79, pl.3, fig.3.
- MM5378. *Palaeopharus maizurensis* Kobayashi and Ichikawa, p.79, pl.3, fig.2.
- MM5379. "*Gervillia*" *saekii* Kobayashi and Ichikawa, p.75, pl.2, fig.3a-c. Holotype.
- MM5380a. *Cardinia triadica* Kobayashi and Ichikawa, p.62, pl.1, fig.1a,b. Holotype.
- MM5380b. *Cardinia triadica* Kobayashi and Ichikawa, p.62, pl.1, fig.2a,b. Paratype.
- MM5380c. *Cardinia triadica* Kobayashi and Ichikawa, p.62, pl.1, fig.3. Paratype.
- MM5380d. *Cardinia triadica* Kobayashi and Ichikawa, p.62, pl.1, fig.4. Paratype.
- MM5380e. *Cardinia triadica* Kobayashi and Ichikawa, p.62, pl.1, fig.5. Paratype.
- MM5382. *Oxytoma* (?) sp., p.62, pl.3, fig.12.
- MM5383. *Chlamys* sp., p.78, pl.3, fig.14.
- MM5385. *Pleuromya* (?) sp., p.78, pl.3, fig.13.
- MM5387. "*Gervillia*" *hekiensis* Kobayashi and Ichikawa, p.76, pl.2, fig. 4a,b. Holotype.
- MM5388a. "*Gervillia*" *hekiensis* Kobayashi and Ichikawa, p.76, pl.2, fig. 5a,b. Paratype.
- MM5388b. "*Gervillia*" *hekiensis* Kobayashi and Ichikawa, p.76, pl.2, fig. 6a,b. Paratype.
- MM5390. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.11.
- MM5391. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.10.
- MM5392. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.9.
- MM5393. *Minetrigonia hegiensis* (Saeki), p.72, pl.3, fig.8.
- MM5408a. *Sisenna* (?) *japonica* Kobayashi and Ichikawa, p.79, pl.2, fig.7. Holotype.
- MM5408b. *Sisenna* (?) *japonica* Kobayashi and Ichikawa, p.79, pl.2, fig.8. Paratype.
- MM5408c. *Sisenna* (?) *japonica* Kobayashi and Ichikawa, p.79, pl.2, fig.9. Paratype.
- MM5409. *Cardinioides* cfr. *subtrigonalis* Kobayashi and Ichikawa, p.68, pl.2, fig.2.
- MM5410. *Cardinioides subtrigonalis* Kobayashi and Ichikawa, p.67, pl.1, fig.7. Paratype.
- MM5411. *Cardinioides subtrigonalis* Kobayashi and Ichikawa, p.67, pl.1, fig.6. Holotype.

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- Kobayashi, T. and Ichikawa, K. (1952b): Some Late Triassic fossils from the Nariwa district in the Province of Bitchu (Okayama Prefecture), Japan. *Japan. Jour. Geol. Geogr.*, vol.22, pp.261-274, pl.10.
- MM5399a. *Cardinia misawensis* Kobayashi and Ichikawa, p.265, pl.10, fig.7. Holotype.
- MM5399b. "*Gervillia*" cfr. *saekii* Kobayashi and Ichikawa, p.267, pl.10, figs.9,10.
- MM5399c. *Edentula* (?) *triangularis* Kobayashi and Ichikawa, p.268, text-fig.1a,b. Holotype.
- MM5399d. *Edentula* (?) *triangularis* Kobayashi and Ichikawa, p.268, text-fig.2. Paratype.
- MM5400. *Cardinia misawensis* Kobayashi and Ichikawa, p.265, pl.10, fig.8. Paratype.
- MM5402. *Naticopsis* (s. l.) sp., aff. *Natica klipsteini* Hoernes, p.271, pl.10, figs.5,6.
- MM5403a. *Naticella* (?) *infrequens* Kobayashi and Ichikawa, p.271, pl.10, figs.1,2. Holotype.
- MM5403b. *Naticella* (?) *infrequens* Kobayashi and Ichikawa, p.271, pl.10, figs.3,4. Paratype.
- MB5404. *Lingula nariwensis* Kobayashi and Ichikawa, p.264, pl.10, fig.12. Holotype.
- MB5405. *Lingula nariwensis* Kobayashi and Ichikawa, p.264, pl.10, fig.11. Paratype.
- MM5406. *Dentalium* (*Laevidentalium*) sp., p.270, pl.10, fig.14.
- ME5407. *Cidaris* (s. l.) sp., p.263, pl.10, fig.13.
- Kobayashi, T. and Ichikawa, T. (1955): Discovery of Proceratopyge in the Chuangia zone in Manchuria, with a note on the Ceratopygidae. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.19, pp.65-72, pl.11.
- PA2255. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.1. Holotype.
- PA2256. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.2. Paratype.
- PA2257. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.3. Paratype.
- PA2258. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.4. Paratype.
- PA2259. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.5. Paratype.

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Kobayashi, T. and Ichikawa, T. (1955): continued

- PA2260. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.6. Paratype.  
PA2261. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.7. Paratype.  
PA2262. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.8. Paratype.  
PA2263. *Proceratopyge* (*Proceratopyge*) *liaotungensis* Kobayashi and Ichikawa, p.69, pl.11, fig.9. Paratype.

Kobayashi, T. and Igō, H. (1956): On the occurrence of *Crotalocephalus*, Devonian trilobites, in Hida, west Japan. *Japan. Jour. Geol. Geogr.*, vol.27, nos.2-4, pp.143-155, pl.10.

- PA2273.\* *Cheirurus* (*Crotalocephalus*) *japonicus* Kobayashi and Igō, p.150, pl.10, fig.1. Holotype.  
PA2274.\* *Cheirurus* (*Crotalocephalus*) *japonicus* Kobayashi and Igō, p.150, pl.10, fig.2. Paratype. (missing)  
PA2275.\* *Cheirurus* (*Crotalocephalus*) *japonicus* Kobayashi and Igō, p.150, pl.10, fig.3. Paratype.  
PA2276.\* *Cheirurus* (*Crotalocephalus*) *japonicus* Kobayashi and Igō, p.150, pl.10, fig.4. Paratype.  
PA2277.\* *Cheirurus* (*Crotalocephalus*) sp., p.152, pl.10, fig.5a,b. (missing)  
PA2278.\* Gen. et sp. indt., p.146, pl.10, fig.6.

Only plaster casts are preserved in this museum. The original specimens are preserved in the Tokyo University of Education.

Kobayashi, T. and Kaseno, Y. (1947): A new Liassic species of *Trigonia* s. str. (i. e. *Lyriodon*) from the Kitakami mountains, Nippon. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.41-43, pl.10.

- MM4301. *Trigonia* (*Lyriodon*) *sumiyagura* Kobayashi and Kaseno, p.42, pl.10, figs.1a,b,2a,b. Holotype.

Kobayashi, T. and Katayama, M. (1938): Further evidences as to the chronological determination of so-called Rhaeto-Liassic floras with a description of *Minetrigonia*, a new subgenus of *Trigonia*. *Proc. Imp. Acad. Tokyo*, vol.14, no.5, pp.184-189.

- MM4238. *Trigonia* (*Minetrigonia*) *hegiensis* Saeki, p.188, text-fig.1. (missing)  
MM4239. *Trigonia* (*Minetrigonia*) *hegiensis* Saeki, p.188, text-fig.2. (missing)

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Kobayashi, T. and Kato, F. (1951): On the ontogeny and the ventral morphology of *Redlichia chinensis* with description of *Alutella nakamurai*, new gen. and sp. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.8, part 3, pp.99-143, pls.1-5.

PA2047.\* *Alutella nakamurai* Kobayashi and Kato, p.139, pl.3, fig.15. Holotype.

PA2048.\* *Redlichia chinensis* Walcott, p.125, pl.1, fig.16. (missing)

PA2049.\* *Cheiruroides primigenius* (Saito), p.138, pl.3, fig.10.

PA2050.\* *Cheiruroides primigenius* (Saito), p.138, pl.3, fig.11.

PA2051.\* *Cheiruroides primigenius* (Saito), p.138, pl.3, fig.12.

PA2052.\* *Cheiruroides primigenius* (Saito), p.138, pl.3, fig.13.

PB2053.\* *Obolella lunaris* Saito, p.138, pl.3, fig.14. (missing)

Only dental modeling casts are preserved in this museum. The original specimens are in the Kyoto University, Kyoto.

Kobayashi, T. and Kido, Y. (1947a): Cretaceous Estherites from the Kyōngsang Group in the Tsushima basin. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.83-90, pls.18,19.

MA4716. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, figs. 1,10. Holotype. (missing)

MA4717. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.2. Paratype. (missing)

MA4718. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.3. Paratype. (missing)

MA4719. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.4. Paratype. (missing)

MA4720. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.5. Paratype. (missing)

MA4721. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.8. Paratype. (missing)

MA4722. *Estherites kyōngsangensis* Kobayashi and Kido, p.86, pl.18, fig.9. Paratype. (missing)

MA4723. *Estherites kyōngsangensis* var. *huzitai* Kobayashi and Kido, p.88, pl.18, fig.6. Holotype. (missing)

MA4724. *Estherites kyōngsangensis* var. *medialis* Kobayashi and Kido, p.88, pl.19, fig.1. Syntype. (missing)

MA4725. *Estherites kyōngsangensis* var. *medialis* Kobayashi and Kido, p.88, pl.19, fig.2. Syntype. (missing)

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Kobayashi, T. and Kido, Y. (1947a): continued

- MA4726. *Estherites kyōngsangensis* var. *medialis* Kobayashi and Kido, p.88, pl.19, fig.3. Syntype. (missing)
- MA4727. *Estherites kyōngsangensis* var. *paucilineata* Kobayashi and Kido, p.89, pl.19, fig.4. Syntype. (missing)
- MA4728. *Estherites kyōngsangensis* var. *paucilineata* Kobayashi and Kido, p.89, pl.19, fig.5. Syntype.
- MA4729. *Estherites kyōngsangensis* var. *paucilineata* Kobayashi and Kido, p.89, pl.19, fig.6. Syntype. (missing)
- MA4730. *Estherites kyōngsangensis* var. *paucilineata* Kobayashi and Kido, p.89, pl.19, fig.7. Syntype. (missing)
- MA4731. *Estherites naktongensis* Kobayashi and Kido, p.90, pl.18, fig.7. Holotype.

Kobayashi, T. and Kido, Y. (1947b): Cretaceous *Estherites* from the Province of Chientao, Manchuria. *Japan. Jour. Geol. Geogr.*, vol.20, nos. 2-4, pp.91-95, pl.19.

- MA4732. *Estherites kantoensis* Kobayashi and Kido, p.94, pl.19, fig.10. Syntype.
- MA4733. *Estherites kantoensis* Kobayashi and Kido, p.94, pl.19, fig.11. Syntype.
- MA4734. *Estherites kantoensis* Kobayashi and Kido, p.94, pl.19, fig.14. Syntype. (missing)
- MA4735. *Estherites kantoensis* Kobayashi and Kido, p.94, pl.19, fig.15. Syntype. (missing)
- MA4736. *Estherites endoi* Kobayashi and Kido, p.95, pl.19, fig.8. Syntype. (missing)
- MA4737. *Estherites endoi* Kobayashi and Kido, p.95, pl.19, fig.9. Syntype. (missing)
- MA4738. *Estherites endoi* Kobayashi and Kido, p.95, pl.19, fig.12. Syntype.
- MA4739. *Estherites endoi* Kobayashi and Kido, p.95, pl.19, fig.13. Syntype. (missing)

Kobayashi, T. and Kimura, T. (1942): A discovery of a few Lower Ordovician graptolites in south Chosen with a brief note on the Ordovician Graptolite zones in eastern Asia. *Japan. Jour. Geol. Geogr.*, vol.18, no.4, pp.307-311, pl.29.

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Kobayashi, T. and Kimura, T. (1942): continued

- PH1857. *Dictyonema* cfr. *flabelliforme* Eichwald, p.308, pl.29, figs.1-3.  
 PH1858. *Clonograptus* (?) sp., p.309, pl.29, figs.4,5.

Kobayashi, T. and Kusumi, H. (1953a): A study on *Estherites middendorffii* (Jones). *Japan. Jour. Geol. Geogr.*, vol.23, pp.1-24, pls.1,2.

- MA4752. *Estherian* valves, p.6, fig.2.  
 MA4753. *Estherites middendorffii* (Jones), p.16, pl.1, fig.1.  
 MA4754. *Estherites middendorffii* var. *jeholensis* Kobayashi and Kusumi, p.17, pl.1, fig.2, pl.2, figs.15,16. Syntype.  
 MA4755. *Estherites middendorffii* var. *jeholensis* Kobayashi and Kusumi, p.17, pl.1, fig.3. Syntype.  
 MA4756. *Estherites middendorffii* var. *jeholensis* Kobayashi and Kusumi, p.17, pl.1, fig.4. Syntype.  
 MA4757. *Estherites middendorffii* var. *elongata* Kobayashi and Kusumi, p.19, pl.1, fig.5. Holotype.  
 MA4758. *Estherites middendorffii* var. *elongata* Kobayashi and Kusumi, p.19, pl.1, fig.6, pl.2, fig.17. Paratype.  
 MA4759. *Estherites middendorffii* var. *elongata* Kobayashi and Kusumi, p.19, pl.1, fig.7. Syntype.  
 MA4760. *Estherites middendorffii* var. *elongata* Kobayashi and Kusumi, p.19, pl.1, fig.8. Syntype.  
 MA4761. *Estherites middendorffii* forma *subelongata* Kobayashi and Kusumi, p.20, pl.1, fig.9, pl.2, fig.18. Holotype.  
 MA4762. *Estherites middendorffii* var. *chii* Kobayashi and Kusumi, p.20, pl.1, figs.11,12. Paratype.  
 MA4763. *Estherites middendorffii* var. *chii* Kobayashi and Kusumi, p.20, pl.1, fig.13, pl.2, fig.19. Paratype.  
 MA4764. *Estherites middendorffii* var. *chii* Kobayashi and Kusumi, p.20, pl.1, fig.14. Paratype.  
 MA4765. *Estherites middendorffii* forma *peipiaoensis* Kobayashi and Kusumi, p.21, pl.1, fig.15. Holotype.  
 MA4766. *Estherites middendorffii* forma *intermedia* Kobayashi and Kusumi, p.22, pl.1, fig.16. Holotype.  
 MA4767. *Estherites middendorffii* forma *intermedia* Kobayashi and Kusumi, p.22, pl.1, fig.17. Paratype.  
 MA4768. *Estherites middendorffii* forma *intermedia* Kobayashi and Kusumi, p.22, pl.1, fig.18. Paratype.  
 MA4769. *Estherites middendorffii* forma *intermedia* Kobayashi and Kusumi, p.22, pl.1, fig.19. pl.2, fig.20. Paratype.

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Kobayashi, T. and Kusumi, H. (1953a): continued

- MA4770. *Estherites middendorffii* forma *takechenensis* Kobayashi and Kusumi, p.22, pl.1, fig.20. Holotype.
- MA4771. *Estherites middendorffii* var. *chii* Kobayashi and Kusumi, p.20, pl.1, fig.10. Holotype.

Kobayashi, T. and Kusumi, H. (1953b): Younger Mesozoic Estherians from Tunghua region in south Manchuria. *Japan. Jour. Geol. Geogr.*, vol.23, pp.25-35, pl.2.

- MA4772a. *Estherites tunghuensis* Kobayashi and Kusumi, p.28, pl.2, fig.1. Holotype.
- MA4772b. *Estherites tunghuensis* Kobayashi and Kusumi, p.28, pl.2, fig.2. Paratype.
- MA4772c. *Estherites halobiformis* Kobayashi and Kusumi, p.30, pl.1, fig.21. Holotype.
- MA4772d. *Estherites asanoi* Kobayashi and Kusumi, p.31, pl.2, fig.4. Holotype.
- MA4772e. *Estherites asanoi* Kobayashi and Kusumi, p.31, pl.2, fig.5. Paratype.
- MA4772f. *Estherites proamurensis* Kobayashi and Kusumi, p.32, pl.2, fig.6. Holotype.
- MA4772g. *Estherites proamurensis* Kobayashi and Kusumi, p.32, pl.2, fig.7. Paratype.
- MA4772h. *Estherites nenkiagensis* var. *kutsangkouensis* Kobayashi and Kusumi, p.33, pl.2, fig.9. Holotype.
- MA4772i. *Estherites nenkiagensis* var. *kutsangkouensis* Kobayashi and Kusumi, p.33, pl.2, fig.10. Paratype.
- MA4772j. *Estherites nenkiagensis* var. *kutsangkouensis* Kobayashi and Kusumi, p.33, pl.2, fig.12. Paratype.
- MA4772k. *Estherites* aff. *kyōngsangensis* Kobayashi and Kido var. *paucilineata* Kobayashi and Kido, p.34, pl.2, figs.13,14.
- MA4773a. *Estherites saitoi* Kobayashi and Kusumi, p.29, pl.2, fig.3. Holotype.
- MA4773b. *Estherites proamurensis* var. *latus* Kobayashi and Kusumi, p.32, pl.2, fig.8. Holotype.
- MA4774. *Estherites halobiformis* Kobayashi and Kusumi, p.30, text-fig.3. Paratype.
- MA4775. *Estherites nenkiagensis* var. *kutsangkouensis* Kobayashi and Kusumi, p.33, pl.2, fig.11. Paratype.



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Kobayashi, T. and Matumoto, T. [Matsumoto, T.] (1942): Three new Tofangian nautiloids from eastern Jehol. *Japan. Jour. Geol. Geogr.*, vol.18, no.4, pp.313-317, pls.30,31.

- PM1902. *Tofangocerina nanpiaoensis* Kobayashi and Matumoto, p.313, pl.31, fig.10. Syntype.
- PM1903. *Tofangocerina nanpiaoensis* Kobayashi and Matumoto, p.313, pl.31, fig.11. Syntype.
- PM1904. *Linormoceras centrale* Kobayashi and Matumoto, p.314, pl.31, figs. 7,8. Holotype.
- PM1905. *Jeholoceras robustum* Kobayashi and Matumoto, p.316, pl.30, fig.1. Paratype.
- PM1906. *Jeholoceras robustum* Kobayashi and Matumoto, p.316, pl.30, figs. 2,3,5. Holotype.
- PM1907. *Jeholoceras robustum* Kobayashi and Matumoto, p.316, pl.30, fig.4. Paratype.

Kobayashi, T. and Mori, K. (1954): Studies on the Jurassic trigonians in Japan, Part II. Prosogyrotrigonia and the Trigoniinae. *Japan. Jour. Geol. Geogr.*, vol.25, nos.3-4, pp.155-175, pls.15,16.

- MM4302. *Prosogyrotrigonia inouyei* (Yehara), p.157, pl.15, fig.3.
- MM4303. *Prosogyrotrigonia inouyei* (Yehara), p.157, pl.15, fig.4a-c.
- MM4304. *Prosogyrotrigonia inouyei* (Yehara), p.157, pl.15, fig.5.
- MM4305. *Trigonia senex* Kobayashi and Mori, p.167, pl.16, fig.8a,b. Holotype.
- MM4306. *Trigonia sumiyagura* Kobayashi and Kaseno, p.168, pl.16, fig.1.
- MM4307. *Trigonia sumiyagura* Kobayashi and Kaseno, p.168, pl.16, fig.2.
- MM4308. *Trigonia sumiyagura* Kobayashi and Kaseno, p.168, pl.16, fig.3a,b.
- MM4309. *Trigonia sumiyagura* Kobayashi and Kaseno, var., p.170, pl.16, fig.4.
- MM4310. *Trigonia sumiyagura* Kobayashi and Kaseno, var., p.170, pl.16, fig.5.
- MM4311. *Trigonia sumiyagura* Kobayashi and Kaseno, var., p.170, pl.16, fig.6.
- MM4312. *Trigonia sumiyagura* Kobayashi and Kaseno, var., p.170, pl.16, fig.7.
- MM4313. *Geratrigonia hosourensis* (Yokoyama), p.171, pl.15, fig.2.
- MM4314.\* *Geratrigonia hosourensis* (Yokoyama) var. *convexa* Kobayashi, p. 172, pl.16, fig.9a,b. Holotype. [original specimen in the Tohoku University, Sendai]

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Kobayashi, T. and Mori, K. (1954): continued

- MM4315.\* *Geratrignia lata* Kobayashi, p.173, pl.15, fig.6. Holotype.  
(missing) [original specimen in the Tohoku University, Sendai]  
MM4316. *Geratrignia lata* Kobayashi, p.173, pl.15, fig.7. Paratype.  
MM7174. *Geratrignia hosourensis* (Yokoyama), p.171, pl.15, fig.1. Lecto-  
type. [see also Yokoyama (1904)]

Kobayashi, T. and Mori, K. (1955): The Vaugoniinae from the Kitakami  
mountains in north Japan. *Japan. Jour. Geol. Geogr.*, vol.26, nos.1-2,  
pp.73-88, pls.3,4.

- MM4317. *Vaugonia niranohamensis* Kobayashi and Mori, p.80, pl.3, fig.1.  
Paratype.  
MM4318. *Vaugonia niranohamensis* Kobayashi and Mori, p.80, pl.3, fig.2.  
Paratype.  
MM4319. *Vaugonia niranohamensis* Kobayashi and Mori, p.80, pl.3, fig.3.  
Paratype.  
MM4320. *Vaugonia niranohamensis* Kobayashi and Mori, p.80, pl.3, fig.4.  
Paratype.  
MM4321. *Vaugonia niranohamensis* forma *irregularis* Kobayashi and Mori,  
p.80, pl.3, fig.5. Syntype.  
MM4322. *Vaugonia niranohamensis* forma *irregularis* Kobayashi and Mori,  
p.80, pl.3, fig.6. Syntype.  
MM4323. *Vaugonia niranohamensis* Kobayashi and Mori, p.80, pl.4, fig.1.  
Holotype.  
MM4324. [= MM7177a] *Vaugonia yokoyamai* Kobayashi and Mori, p.81, pl.3,  
fig.7. Syntype. [see also Yokoyama (1904)]  
MM4325. [= MM7177b] *Vaugonia yokoyamai* Kobayashi and Mori, p.81, pl.3,  
fig.8(right). Syntype. [see also Yokoyama (1904)]  
MM4326. [= MM7177c] *Vaugonia yokoyamai* Kobayashi and Mori, p.81, pl.3,  
fig.8(left). Syntype. [see also Yokoyama (1904)]  
MM4327. *Vaugonia yokoyamai* forma *gracilis* Kobayashi and Mori, p.81, pl.  
3, fig.9. Holotype.  
MM4328. *Vaugonia kodaijimensis* Kobayashi and Mori, p.82, pl.3, fig.12.  
Paratype.  
MM4329. *Vaugonia kodaijimensis* Kobayashi and Mori, p.82, pl.3, fig.13.  
Holotype.  
MM4330. *Vaugonia kodaijimensis* Kobayashi and Mori, p.82, pl.3, fig.14.  
Paratype.  
MM4331. *Vaugonia kodaijimensis* Kobayashi and Mori, p.82, pl.3, fig.15.  
Paratype.

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Kobayashi, T. and Mori, K. (1955): continued

- MM4332. *Vaugonia namigashira* Kobayashi and Mori, p.83, pl.3, fig.10. Paratype.
- MM4333. *Vaugonia namigashira* Kobayashi and Mori, p.83, pl.3, fig.11. Holotype. (missing)
- MM4336. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.4. Paratype.
- MM4337. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.5. Holotype.
- MM4338. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.6. Paratype.
- MM4339. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.7. Paratype.
- MM4340. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.8. Paratype. (missing)
- MM4341. *Vaugonia (Hijitrigonia) geniculata* Kobayashi and Mori, p.84, pl.4, fig.9. Paratype.
- MM4342. *Vaugonia (Hijitrigonia) kojiwa* Kobayashi and Mori, p.85, pl.4, fig.2. Holotype.
- MM4343. *Vaugonia (Hijitrigonia) kojiwa* Kobayashi and Mori, p.85, pl.4, fig.3. Paratype.
- MM4344. *Orthotrigonia midareta* Kobayashi and Mori, p.87, pl.4, fig.11a,b. Holotype.
- MM4345. *Orthotrigonia corrugata* Kobayashi and Mori, p.87, pl.4, fig.10. Holotype.

Kobayashi, T. and Nakano, M. (1957): On the Pterotrigoniinae. *Japan.*

*Jour. Geol. Geogr.*, vol.28, no.4, pp.219-238, pls.16,17.

- MM4450. *Pterotrigonia pocilliformis* (Yokoyama), p.227, pl.16, fig.1. Syntype.
- MM4451. *Pterotrigonia pocilliformis* (Yokoyama), p.227, pl.16, fig.2a,b.
- MM4452. *Pterotrigonia pocilliformis* (Yokoyama), p.227, pl.16, fig.3.
- MM4453. *Pterotrigonia pocilliformis* var. *yamanokamiensis* Kobayashi and Nakano, p.229, pl.16, fig.8. Holotype.
- MM4454. *Pterotrigonia pocilliformis* var. *yamanokamiensis* Kobayashi and Nakano, p.229, pl.16, fig.9. Paratype.
- MM4455. *Pterotrigonia pocilliformis* var. *yamanokamiensis* Kobayashi and Nakano, p.229, pl.16, fig.10. Paratype.
- MM4456.\* *Pterotrigonia hokkaidoana* (Yehara), p.229, pl.16, fig.4. [original specimen in the Hiroshima University, Hiroshima]

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Kobayashi, T. and Nakano, M. (1957): continued

- MM4457. *Acanthotrignonia moriana* (Yehara), p.233, pl.16, fig.5.
- MM4458. *Acanthotrignonia moriana* (Yehara), p.233, pl.16, fig.6.
- MM4459. *Acanthotrignonia moriana* (Yehara), p.233, pl.17, fig.10.
- MM4460. *Acanthotrignonia pustulosa* (Nagao), p.234, pl.16, fig.7.
- MM4461. *Acanthotrignonia pustulosa* (Nagao), p.234, pl.17, fig.7.
- MM4462. *Acanthotrignonia pustulosa* (Nagao), p.234, pl.17, fig.8.
- MM4463. *Acanthotrignonia longiloba* (Jimbo), p.234, pl.17, fig.3.
- MM4464. *Acanthotrignonia longiloba* (Jimbo), p.234, pl.17, fig.4.
- MM4465. *Acanthotrignonia longiloba* (Jimbo), p.234, pl.17, fig.5.
- MM4466. *Acanthotrignonia longiloba* (Jimbo), p.234, pl.17, fig.6. Para-  
lectotype.
- MM4467.\* *Acanthotrignonia ogawai* (Yehara), p.235, pl.17, fig.1a,b. [original  
specimen in the Hiroshima University, Hiroshima]
- MM4468.\* *Acanthotrignonia ogawai* (Yehara), p.235, pl.17, fig.2a,b. [original  
specimen in the Hiroshima University, Hiroshima]

Kobayashi, T. and Nakano, M. (1958): The Lower and Middle Cretaceous tri-  
gonians in Wakayama, Oita and Kumamoto Prefectures, west Japan. *Japan.*  
*Jour. Geol. Geogr.*, vol.29, nos.1-3, pp.139-152, pls.11,12.

- MM4469. *Rutitrigonia sanchuensis* (Nakano), p.145, pl.12, fig.8. (missing)

Kobayashi, T. and Suzuki, K. (1936): Non-marine shells of the Naktong-  
Wakino Series. *Japan. Jour. Geol. Geogr.*, vol.13, nos.3-4, pp.243-257,  
pls.27-29.

- MM4226.\* *Trigonioides kodairai* Kobayashi and Suzuki, p.249, pl.27, fig.1  
a,b. Holotype. (missing)
- MM4227.\* *Trigonioides kodairai* Kobayashi and Suzuki, p.249, pl.27, fig.2  
a,b. Paratype. (missing)
- MM4228.\* *Trigonioides kodairai* Kobayashi and Suzuki, p.249, pl.27, fig.3.  
Paratype. (missing)
- MM4229.\* *Trigonioides kodairai* Kobayashi and Suzuki, p.249, pl.27, fig.4.  
Paratype. (missing)
- MM4230.\* *Trigonioides kodairai* Kobayashi and Suzuki, p.249, pl.29, fig.  
13. Paratype. (missing)
- MM4231. "*Unio*" cfr. *menkei* Dunker, p.252, pl.27, fig.5. (missing)

KOBAYASHI

Kobayashi, T. and Suzuki, K. (1936): continued

- MM4232. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.10. Paratype.
- MM4233. *Brotia wakinoensis* Kobayashi and Suzuki, p.256, pl.29, fig.15. Paratype. (missing)
- MM7919. "*Unio*" cfr. *menkei* Dunker, p.252, pl.27, fig.6a-c.
- MM7921. *Paranodonta otai* Kobayashi and Suzuki, p.253, pl.27, fig.7. Holotype.
- MM7922. *Paranodonta otai* Kobayashi and Suzuki, p.253, pl.27, fig.8a. Paratype.
- MM7923. *Paranodonta otai* Kobayashi and Suzuki, p.253, pl.27, fig.8b. Paratype.
- MM7924. *Paranodonta otai* Kobayashi and Suzuki, p.253, pl.27, fig.9. Paratype.
- MM7925. *Paranodonta otai* Kobayashi and Suzuki, p.253, pl.27, fig.10. Paratype.
- MM7926.\* *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 1a,b. Holotype.
- MM7927.\* *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 3. Paratype.
- MM7928.\* *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 4. Paratype.
- MM7929. *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 2. Paratype.
- MM7930a. *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 6. Paratype.
- MM7930b. *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 7. Paratype.
- MM7930c. *Plicatounio nakdongensis* Kobayashi and Suzuki, p.252, pl.28, fig. 8. Paratype.
- MM7931. *Plicatounio triangularis* Kobayashi and Suzuki, p.252, pl.28, fig. 5a,b. Holotype.
- MM7933. "*Unio*" sp., gen. et sp. indet., p.252, pl.28, fig.9a,b.
- MM7935. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.1. Holotype.
- MM7936a. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.2. Paratype.
- MM7936b. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.7. Paratype.
- MM7936c. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.8. Paratype.

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Kobayashi, T. and Suzuki, K. (1936): continued

- MM7937a. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.3. Paratype.
- MM7937b. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.4. Paratype.
- MM7937c. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.5. Paratype.
- MM7937d. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.6. Paratype.
- MM7938. *Corbicula (Leptesthes ?) coreanica* Kobayashi and Suzuki, p.255, pl.29, fig.9. Paratype.
- MM7939a. *Cristaria ?* sp. aff. "*Leptesthes*" *chingshanensis* Grabau, p.254, pl.29, fig.11.
- MM7939b. *Cristaria ?* sp. aff. "*Leptesthes*" *chingshanensis* Grabau, p.254, pl.29, fig.12.
- MM7940a.\* *Brotia wakinoensis* Kobayashi and Suzuki, p.256, pl.29, fig.14a. Holotype.
- MM7940b.\* *Brotia wakinoensis* Kobayashi and Suzuki, p.256, pl.29, fig.14. Paratypes. (numerous individuals on a slab)(missing)

Only plaster casts are actually or to be preserved in this museum for the specimens with an asterisk. The repository of the original specimens is unknown, but they are possibly in the Geological Survey of Korea, Seoul.

Kobayashi, T. and Suzuki, K. (1937): Non-marine shells of the Jurassic Tetori Series in Japan. *Japan. Jour. Geol. Geogr.*, vol.14, nos.1-2, pp.33-51, pls.4,5.

- MM4234. *Batissa yokoyamai* Kobayashi and Suzuki, p.44, pl.4, fig.5. Paratype. (missing)
- MM4235. *Batissa yokoyamai* Kobayashi and Suzuki, p.44, pl.4, fig.6. Paratype. (missing)
- MM4236. *Pila (Turbinicola ?) nipponica* Kobayashi and Suzuki, p.49, pl.5, fig.14a,b. Holotype. (missing)
- MM4237. *Pila (Turbinicola ?) nipponica* Kobayashi and Suzuki, p.49, pl.5, fig.15a-c. Paratype. (missing)
- MM7001. *Unio ogamigoensis* Kobayashi and Suzuki, p.41, pl.4, fig.16. Holotype.
- MM7002. *Batissa antiqua* Kobayashi and Suzuki, p.42, pl.4, fig.1. Holotype.
- MM7003. *Batissa antiqua* Kobayashi and Suzuki, p.42, pl.4, fig.2a,b. Paratype.

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Kobayashi, T. and Suzuki, K. (1937): continued

- MM7004. *Batissa yokoyamai* Kobayashi and Suzuki, p.44, pl.4, fig.3a,b.  
Holotype.
- MM7005. *Batissa yokoyamai* Kobayashi and Suzuki, p.44, pl.4, fig.4a,b.  
Paratype.
- MM7007a. *Corbicula amagashiraensis* Kobayashi and Suzuki, p.45, pl.5, fig.  
8. Holotype.
- MM7007b. *Corbicula amagashiraensis* Kobayashi and Suzuki, p.45, pl.5, fig.  
9. Paratype.
- MM7007c. *Corbicula amagashiraensis* Kobayashi and Suzuki, p.45, pl.5, fig.  
10. Paratype.
- MM7007d. *Corbicula amagashiraensis* Kobayashi and Suzuki, p.45, pl.5, fig.  
11. Paratype.
- MM7007e. *Corbicula amagashiraensis* Kobayashi and Suzuki, p.45, pl.5, fig.  
12. Paratype.
- MM7008. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.9a,b.  
Holotype.
- MM7009. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.7.  
Paratype.
- MM7010. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.8.  
Paratype.
- MM7011a. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.13.  
Paratype.
- MM7011b. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.14.  
Paratype.
- MM7012. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.11.  
Paratype.
- MM7013. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.10.  
Paratype.
- MM7014. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.12.  
Paratype.
- MM7015. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.4, fig.15.  
Paratype.
- MM7016a. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, text-fig.2.  
Paratypes (numerous individuals on a slab).
- MM7016b. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.4.  
Paratype.
- MM7017a. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.1.  
Paratype.
- MM7017b. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.3.  
Paratype.

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Kobayashi, T. and Suzuki, K. (1937): continued

- MM7018. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.2. Paratype.
- MM7019. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.5a,b. Paratype.
- MM7020. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.6. Paratype.
- MM7021. *Corbicula tetoriensis* Kobayashi and Suzuki, p.46, pl.5, fig.7. Paratype.
- MM7022. *Viviparus onogoensis* Kobayashi and Suzuki, p.48, pl.5, fig.13a,b. Holotype.
- MM7023. *Melanoides vulgaris* Kobayashi and Suzuki, p.50, pl.5, fig.22a,b. Holotype.
- MM7024. *Melanoides vulgaris minima* Kobayashi and Suzuki, p.51, pl.5, fig.18a,b. Holotype.
- MM7025. *Melanoides vulgaris minima* Kobayashi and Suzuki, p.51, pl.5, fig.19. Paratype.
- MM7026. *Melanoides vulgaris minima* Kobayashi and Suzuki, p.51, pl.5, fig.20. Paratype.
- MM7027. *Melanoides vulgaris minima* Kobayashi and Suzuki, p.51, pl.5, fig.21. Paratype.
- MM7028. *Pila (Turbinicola ?) nipponica* Kobayashi and Suzuki, p.49, pl.5, fig.16. Paratype.
- MM7030. *Pila (Turbinicola ?) nipponica* Kobayashi and Suzuki, p.49, pl.5, fig.17. Paratype.

Kobayashi, T. and Suzuki, K. (1939): The brackish Wealden fauna of the Yoshimo beds in Prov. Nagato, Japan. *Japan. Jour. Geol. Geogr.*, vol.16, nos.3-4, pp.213-224, pls.13,14.

- MM7878. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.1.
- MM7879. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.2.
- MM7880. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.3.
- MM7881. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.4.
- MM7882. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.5.
- MM7883. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.6.
- MM7884. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.7.
- MM7885. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.8.
- MM7886. *Polymesoda shiroiensis* (Yabe and Nagao), p.219, pl.14, fig.9.
- MM7887. *Corbicula sanchuensis* Yabe and Nagao, p.211, pl.14, fig.10.



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Kobayashi, T. and Suzuki, K. (1939): continued

- MM7888. *Corbicula sanchuensis* Yabe and Nagao, p.221, pl.14, fig.11.
- MM7889. *Corbicula sanchuensis* Yabe and Nagao, p.221, pl.14, fig.12.
- MM7890. *Corbicula sanchuensis* Yabe and Nagao, p.221, pl.14, fig.13.
- MM7891. *Corbicula sanchuensis* Yabe and Nagao, p.221, pl.14, fig.14.
- MM7892. *Corbicula sanchuensis* Yabe and Nagao, p.221, pl.14, fig.15.
- MM7893. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.14, fig.16.
- MM7894. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.14, fig.17.
- MM7895. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.14, fig.18.
- MM7896. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.14, fig.19.
- MM7897. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.13, fig.20a,b.
- MM7898. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.13, fig.21.
- MM7899. *Gervillia shinanoensis* Yabe and Nagao, p.217, pl.13, fig.22.
- MM7900. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.1. Syntype.
- MM7901. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.2. Syntype.
- MM7902. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.3. Syntype
- MM7903. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.4. Syntype.
- MM7904. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.5. Syntype.
- MM7905. *Glauconia* (?) *neumayri* forma *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.6. Syntype.
- MM7906. *Glauconia* (?) *neumayri*, intermediate form between *neumayri* (s. s.) and *angusta* Kobayashi and Suzuki, p.223, pl.13, fig.7.
- MM7907. *Glauconia* (?) *neumayri* (Nagao) Yabe, p.223, pl.13, fig.8.
- MM7908. *Glauconia* (?) *neumayri* (Nagao) Yabe, p.223, pl.13, fig.9a,b.
- MM7909. *Glauconia* (?) *neumayri* (Nagao) Yabe, p.223, pl.13, fig.10.
- MM7910. *Astarte sakawana* Kobayashi and Suzuki, p.219, pl.13, fig.11. Lectotype.
- MM7911. *Astarte sakawana* Kobayashi and Suzuki, p.219, pl.13, fig.12. Paralectotype.
- MM7912. *Astarte sakawana* Kobayashi and Suzuki, p.219, pl.13, fig.13. Paralectotype.
- MM7913. *Ostrea ryosekiensis* Kobayashi and Suzuki, p.218, pl.13, fig.14 a,c. Syntype.

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Kobayashi, T. and Suzuki, K. (1939): continued

- MM7914. *Ostrea ryosekiensis* Kobayashi and Suzuki, p.218, pl.13, figs. 14b,15. Syntype.
- MM7915. *Ostrea ryosekiensis* Kobayashi and Suzuki, p.218, pl.13, fig.16. Syntype.
- MM7916. *Ostrea (Crassostrea) yoshimoensis* Kobayashi and Suzuki, p.218, pl.13, fig.17a,b. Syntype.
- MM7917. *Ostrea (Crassostrea) yoshimoensis* Kobayashi and Suzuki, p.218, pl.13, fig.18. Syntype.
- MM7918. *Anomia pseudotruncata* Yabe and Nagao, p.219, pl.13, fig.19.

Kobayashi, T. and Suzuki, K. (1941): On the occurrence of *Trigonioides* in southeastern Manchoukuo. *Bull. Geol. Inst. Manchoukuo*, no.101, pp. 77-81.

- MM4240. *Trigonioides kodairai* Kobayashi and Suzuki, p.79, text-fig.1. (missing)
- MM4241. *Trigonioides kodairai* Kobayashi and Suzuki, p.79, text-fig.2. (missing)
- MM4242. *Trigonioides kodairai* Kobayashi and Suzuki, p.79, text-fig.3. (missing)
- MM4243. *Trigonioides kodairai* Kobayashi and Suzuki, p.79, text-fig.4. (missing)
- MM4244. *Physa nisidai* Suzuki, p.80, text-fig.5a,b. Holotype. (missing)

Kobayashi, T. and Tamura, M. (1955): The *Myophorellinae* from north Japan. *Japan. Jour. Geol. Geogr.*, vol.26, nos.1-2, pp.89-103, pls.5,6.

- MM4346. *Myophorella (Myophorella) dekaiboda* Kobayashi and Tamura, p.95, pl.6, fig.6a,b. Holotype.
- MM4347. *Myophorella (Myophorella) dekaiboda* Kobayashi and Tamura, p.95, pl.6, fig.7. Paratype.
- MM4348. *Myophorella (Myophorella) dekaiboda* Kobayashi and Tamura, p.95, pl.6, fig.8. Paratype.
- MM4349. *Myophorella (Myophorella) dekaiboda* Kobayashi and Tamura, p.95, pl.6, fig.9. Paratype.
- MM4350. *Myophorella (Promyophorella) sigmoidalis* Kobayashi and Tamura, p.96, pl.5, fig.1. Holotype.
- MM4351. *Myophorella (Promyophorella) sigmoidalis* Kobayashi and Tamura, p.96, pl.5, fig.2. Paratype.

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Kobayashi, T. and Tamura, M. (1955): continued

- MM4352. *Myophorella* (*Promyophorella*) *sigmoidalis* Kobayashi and Tamura, p.96, pl.5, fig.3. Paratype.
- MM4353. *Myophorella* (*Promyophorella*) *sugayensis* Kobayashi and Tamura, p. 97, pl.5, fig.4. Holotype.
- MM4354. *Myophorella* (*Promyophorella*) *sugayensis* var. *geniculata* Kobayashi and Tamura, p.97, pl.5, fig.5. Holotype.
- MM4355. *Myophorella* (*Promyophorella*) *orientalis* Kobayashi and Tamura, p. 98, pl.5, fig.6a,b. Holotype.
- MM4357. *Myophorella* (*Promyophorella*) *obsoleta* Kobayashi and Tamura, p. 99, pl.5, fig.7. Holotype.
- MM4358. *Myophorella* (*Haidaia*) *crenulata* Kobayashi and Tamura, p.100, pl. 5, fig.8. Holotype.
- MM4359. *Myophorella* (*Haidaia*) *crenulata* Kobayashi and Tamura, p.100, pl. 5, fig.9a,b. Paratype.
- MM4360. *Myophorella* (*Haidaia*) *crenulata* Kobayashi and Tamura, p.100, pl. 5, fig.10. Paratype.
- MM4361. *Myophorella* (*Haidaia*) *crenulata* var. *lunulata* Kobayashi and Tamura, p.101, pl.6, fig.1a,b. Holotype.
- MM4362. *Myophorella* (*Haidaia*) *crenulata* var. *lunulata* Kobayashi and Tamura, p.101, pl.6, fig.2. Paratype.
- MM4363. *Myophorella* (*Haidaia*) *subcircularis* Kobayashi and Tamura, p.101, pl.6, fig.3. Holotype.
- MM4364. *Oistotrigonia* *prima* Kobayashi and Tamura, p.102, pl.6, fig.4a,b. Holotype.
- MM4365. *Oistotrigonia* *prima* Kobayashi and Tamura, p.102, pl.6, fig.5. Paratype.

Kobayashi, T. and Tamura, M. (1957): Additional new genera and species of trigonians from the Jurassic of Soma, north Japan. *Japan. Jour. Geol. Geogr.*, vol.28, nos.1-3, pp.35-41, pl.1.

- MM4378. *Latitrigonia* *pyramidalis* Kobayashi and Tamura, p.36, pl.1, fig. 8a,b. Holotype.
- MM4379. *Latitrigonia* *unicarinata* Kobayashi and Tamura, p.37, pl.1, fig. 9. Holotype.
- MM4380. *Latitrigonia* *unituberculata* Kobayashi and Tamura, p.37, pl.1, fig.10. Holotype.
- MM4381. *Ibotrigonia* *masatanii* Kobayashi and Tamura, p.38, pl.1, fig.5. Holotype.

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Kobayashi, T. and Tamura, M. (1957): continued

- MM4382. *Ibotrignonia masatanii* Kobayashi and Tamura, p.38, pl.1, fig.6. Paratype.
- MM4383. *Ibotrignonia masatanii* Kobayashi and Tamura, var., p.39, pl.1, fig.7.
- MM4384. *Vaugonia awazuensis* Kobayashi, p.39, pl.1, fig.4. Holotype.
- MM4385. *Scaphotrignonia somensis* Kobayashi and Tamura, p.40, pl.1, fig.1. Holotype.
- MM4386. *Scaphotrignonia somensis* Kobayashi and Tamura, p.40, pl.1, fig.2. Paratype.
- MM4387. *Scaphotrignonia somensis* Kobayashi and Tamura, p.40, pl.1, fig.3. Paratype.

Kobayashi, T. and Tokuyama, A. (1959a): *Daonella* in Japan. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.12, part 1, pp.1-26, pls.1-4.

- MM3472. *Daonella yoshimurai* Kobayashi, p.12, pl.3, fig.2.
- MM3473. *Daonella tenuistriata* Kobayashi and Tokuyama, p.13, pl.3, fig.10. Holotype.
- MM3474. *Daonella alta* Yabe and Shimizu, p.13, pl.1, fig.5.
- MM3476. *Daonella alta* Yabe and Shimizu, p.13, pl.1, fig.4.
- MM3478. *Daonella indica* Bittner, p.14, pl.1, fig.2.
- MM3480. *Daonella indica* Bittner, p.14, pl.2, fig.2.
- MM3481. *Daonella iwayai* Kobayashi and Tokuyama, p.15, pl.3, fig.9. Paratype.
- MM3485. *Daonella indica* Bittner, p.14, pl.4, fig.1.
- MM3486. *Daonella indica* Bittner, p.14, pl.2, fig.1. (missing)
- MM3487. *Daonella kotoi* Mojsisovics, p.16, pl.2, fig.4.
- MM3488. *Daonella kotoi* Mojsisovics, p.16, pl.2, fig.5.
- MM3489. *Daonella kotoi* Mojsisovics, p.16, pl.2, fig.6.
- MM3495. *Daonella indica* Bittner, p.14, pl.1, fig.1.
- MM3496. *Daonella* cfr. *spitiensis* Bittner, p.15, pl.1, fig.3.
- MM3497. *Daonella iwayai* Kobayashi and Tokuyama, p.15, pl.3, fig.8. Holotype.
- MM3498. *Daonella iwayai* Kobayashi and Tokuyama, p.15, pl.2, fig.15. Paratype.
- MM3503. *Daonella kotoi* Mojsisovics, p.16, pl.3, fig.1.
- MM3504. *Daonella kotoi* Mojsisovics, p.16, pl.4, fig.3.

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Kobayashi, T. and Tokuyama, A. (1959a): continued

- MM3505. *Daonella kotoi* Mojsisovics, p.16, pl.4, fig.2.
- MM3507. *Daonella kotoi* Mojsisovics var., p.17, pl.2, fig.7.
- MM3510. *Daonella subquadrata zohoinensis* Kobayashi and Tokuyama, p.19, pl.1, fig.12. Holotype.
- MM3511. *Daonella subquadrata zohoinensis* Kobayashi and Tokuyama, p.19, pl.1, fig.13. Paratype.
- MM3512. *Daonella subquadrata zohoinensis* Kobayashi and Tokuyama, p.19, pl.2, fig.11. Paratype.
- MM3514. *Daonella subquadrata zohoinensis* Kobayashi and Tokuyama, p.19, pl.3, fig.5. Paratype.
- MM3516. *Daonella subquadrata* Yabe and Shimizu (s. str.), p.19, pl.1, fig.6.
- MM3517. *Daonella subquadrata* Yabe and Shimizu (s. str.), p.19, pl.1, fig.7.
- MM3518. *Daonella subquadrata* Yabe and Shimizu (s. str.), p.19, pl.2, fig.10.
- MM3525. *Daonella subquadrata symmetrica* Kobayashi and Tokuyama, p.19, pl.1, fig.8. Holotype.
- MM3526. *Daonella subquadrata symmetrica* Kobayashi and Tokuyama, p.19, pl.1, fig.9. Paratype.
- MM3527. *Daonella subquadrata symmetrica* Kobayashi and Tokuyama, p.19, pl.1, fig.10. Paratype.
- MM3528. *Daonella subquadrata symmetrica* Kobayashi and Tokuyama, p.19, pl.1, fig.11. Paratype.
- MM3531. *Daonella indica* Bittner, p.14, pl.3, fig.12.
- MM3532. *Daonella pectinoides* Kobayashi and Tokuyama, p.20, pl.2, fig.12. Holotype.
- MM3533. *Daonella pectinoides* Kobayashi and Tokuyama, p.20, pl.3, fig.6. Paratype.
- MM3534. *Daonella asymmetrica* Kobayashi and Tokuyama, p.22, pl.2, fig.13. Holotype.
- MM3535. *Daonella hiratai* Kobayashi and Tokuyama, p.22, pl.2, fig.14. Holotype.
- MM3537. *Daonella iwayai* Kobayashi and Tokuyama, p.15, pl.4, fig.4. Paratype.
- MM3538.\* *Daonella indica* Bittner, p.14, pl.3, fig.3. [Hashimoto's coll.]
- MM3539.\* *Daonella indica* Bittner, p.14, pl.3, fig.4. [Hashimoto's coll.]
- MM3540.\* *Daonella indica* Bittner, p.14, pl.3, fig.11. [Hashimoto's coll.]
- MM5001.\* *Daonella kotoi* Mojsisovics, p.16, pl.2, fig.3. [original specimen in Wien but now missing] [see also Mojsisovics (1888)]

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Kobayashi, T. and Tokuyama, A. (1959a): continued

- MM5002.\* *Daonella sakawana* Mojsisovics, p.17, pl.2, fig.8. Lectotype.  
[original specimen in Wien but now missing] [see also Mojsisovics  
(1888)]
- MM5003.\* *Daonella subquadrata zohoinensis* Kobayashi and Tokuyama, p.19,  
pl.2, fig.9. Paratype. [original specimen in Wien but now miss-  
ing] [see also Mojsisovics (1888)]
- MM5004.\* *Daonella multistriata* Yabe and Shimizu, p.20, pl.3, fig.7. Holo-  
type. [original specimen in the Tohoku University, Sendai]

Kobayashi, T. and Tokuyama, A. (1959b): The Halobiidae from Thailand.

*Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.12, part 1, pp.27-30, pl.4.

- MM3559. *Daonella sumatrensis* Volz, p.29, pl.4, figs.5-7. [3 individuals]
- MM3560. *Halobia* cfr. *comata* Bittner, p.29, pl.4, fig.9.
- MM3561. *Daonella* (?) ex gr. *D. pichleri* Mojsisovics, p.28, pl.4, fig.8.

Makiyama, J. (1927): *Lycoptera chosenensis*, a new species of *Leptolepi-*  
*formes* from Singisyū. *Chikyu [The Globe]*, vol.7, no.6, pp.448-452. [in  
Japanese]

MV4210. *Lycoptera chosenensis* Makiyama, p.448, text-fig.1. Holotype.

MATSUMOTO

Matumoto [Matsumoto], T. (1936): Contribution to the Cretaceous palaeontology of Japan. I. Preliminary notes on the so-called *Parapachydiscus egertoni* (Forbes) from Japan. *Japan. Jour. Geol. Geogr.*, vol.13, pp. 259-267, pls.30,31.

- MM7641. "*Pachydiscus egertoni* (Forbes)" Yabe, p.265, pl.31, figs.2,3. text-fig.4.  
 MM7679. [= I-527] "*Parapachydiscus egertoni* (Forbes)" Kawada, p.264, pl. 30, figs.2,3. [see also Kawada (1934)]  
 MM7720. [= I-581] "*Parapachydiscus* aff. *egertoni* (Forbes)", Kobayashi, p.264, pl.30, fig.1, pl.31, fig.1, text-fig.3a,b.

Matumoto [Matsumoto], T. (1938a): Geology of Gosyonoura island, Amakusa, with special reference to the Cretaceous stratigraphy. Preliminary notes on some of the more important fossils among the Gosyonoura fauna. *Jour. Geol. Soc. Japan*, vol.45, no.532, pp.1-47, pls.1-4.

- MM7713. *Desmoceras* (*Pseudouhligella*) *japonica* (Yabe), p.23, pl.2, fig.1. (missing)  
 MM7714. *Turrilites oehlerti* Pervinquière, p.23, pl.2, fig.7. (missing)  
 MM7722. [= MM6385] *Pyrgulifera* (?) *japonica* Matumoto, p.21, text-fig.23 a,b. Holotype. (missing)  
 MM7741. [= I-1552] *Pterodonta amaxensis* Matumoto, p.20, pl.2, fig.3, text-fig.20a,b. Holotype.  
 MM7742. [= I-1553] *Turritella* (*Zaria*) *goshorana* Matumoto, p.20, pl.2, fig.6. Holotype.  
 MM7743. [= I-1554] *Astraea* (s. l.) *kumasoana* Matumoto, p.19, pl.2, fig.9. Holotype.  
 MM7744. [= I-1555] *Navicula* sp., p.13, pl.1, figs.2,3, text-fig.5  
 MM7745. [= I-1556] *Cucullaea ezoensis* Yabe and Nagao var. *amaxensis* Matumoto, p.13, pl.1, fig.1. Holotype.  
 MM7746. [= I-1557] *Anomia linensis* Whiteaves, p.14, pl.1, fig.4.  
 MM7747a. [= I-1559] *Crenella gyliakiana* Matumoto, p.16, pl.1, fig.9. Holotype.  
 MM7747b. [= I-1599] *Crenella gyliakiana* Matumoto, p.16, pl.1, fig.10. Paratype.  
 MM7748. [= I-1558] *Crenella gyliakiana* Matumoto, p.16, pl.1, fig.11. Paratype.  
 MM7749. [= I-1561] *Pseudasaphis japonicus* Matumoto, p.18, pl.2, fig.4. Syntype.  
 MM7750. [= I-1562] *Pseudasaphis japonicus* Matumoto, p.18, pl.2, fig.5. Syntype.

MATSUMOTO

Matumoto [Matsumoto], T. (1938a): continued

- MM7751. [= I-1564] "*Callista*" (*Pseudamiantis*) *crenulatus* Matumoto, p.19, pl.1, fig.5. Lectotype.
- MM7752. [= I-1563]. "*Callista*" (*Pseudamiantis*) *crenulatus* Matumoto, p.19, pl.1, fig.6. Paralectotype.
- MM7753. [= I-1565] *Cyprina* (?) sp., p.17, pl.1, fig.7.
- MM7754. [= I-1566] *Protocardium* sp., p.18, pl.1, fig.8.
- MM7755. [= I-1567] *Aloidis* (*Caryocorbula*) *higoensis* Matumoto, p.19, pl.2, fig.8. Lectotype.
- MM7762. [= I-1602] *Turritella* sp. a, p.20, text-fig.21a-c.
- MM7770. [= I-1617] *Cerithium* sp. a aff. *C. arcotense* Stoliczka, p.22, text-fig.22.
- MM7774. [= I-1622] *Vernedia* (?) *uedai* Matumoto, p.21, text-figs.25,26. Holotype.
- MM7781. [= I-1629] "*Cerithium*" *pyramidaeforme* Nagao, p.22, text-fig.24.
- MM7788a. [= I-1728] *Anthonya japonica* Matumoto, p.16, text-fig.6. Syntype. (missing)
- MM7788b. [= I-1728] *Anthonya japonica* Matumoto, p.16, text-fig.7. Syntype. (missing)
- MM7793. [= I-1745] *Cyprina* (?) sp., p.17, text-fig.18.
- MM7796. [= I-1957] *Astarte* sp., p.16, text-fig.4.
- MM7797. [= I-1764] *Crassatella* (*Pachythaerus*) *nagaoi* Matumoto, p.16, text-fig.10. Syntype.
- MM7798. [= I-1765] *Crassatella* (*Pachythaerus*) *nagaoi* Matumoto, p.16, text-fig.11. Syntype.
- MM7802. [= I-1775] "*Cyrena*" (aff. *Villorita*) sp., p.17, text-fig.16.
- MM7803. [= I-1777] "*Cyrena*" (aff. *Villorita*) sp., p.17, text-fig.17.
- MM7809. [= I-1796] *Pseudasaphis japonicus* Matumoto, p.18, text-fig.15. Syntype.
- MM7811. [= I-1798] *Pseudasaphis japonicus* Matumoto, p.18, text-fig.14. Syntype.
- MM7816. [= I-1826] *Protocardium* sp., p.18, text-fig.8.
- MM7826. [= I-1845] "*Callista*" (*Pseudamiantis*) *crenulatus* Matumoto, p.19, text-fig.12. Paralectotype.
- MM7830. [= I-1849] "*Callista*" (*Pseudamiantis*) *crenulatus* Matumoto, p.19, text-fig.13. Paralectotype.
- MM7841. [= I-1886] *Aloidis* (*Caryocorbula*) *higoensis* Matumoto, text-fig. 9b. Paralectotype.
- MM7844. [= I-1882] *Aloidis* (*Caryocorbula*) *higoensis* Matumoto, text-fig. 9a. Paralectotype.



MATSUMOTO

Matumoto [Matsumoto], T. (1938a): continued

- MM7845. [= I-1894] *Trigonioides kobayashii* Matumoto, p.14, text-fig.19. Paralectotype. (missing)
- MM7846. [= I-1896] *Trigonioides kobayashii* Matumoto, p.14, pl.2, fig.2. Lectotype. (missing)
- MM7855. [= I-1935] *Anomia linensis* Whiteaves, p.14, text-fig.3. (missing)
- MM7859. [= I-1958] *Ostrea* sp. a (sp. nov.?) p.13, text-fig.2. (missing)
- MM7861. [= I-1969] *Ostrea* sp. a (sp. nov.?) p.13, text-fig.1.

Matumoto [Matsumoto], T. (1938b): Zelandites, a genus of Cretaceous ammonites. *Japan. Jour. Geol. Geogr.*, vol.15, pp.137-148, pl.14.

- MM7509. [= I-98] *Zelandites kawanoi* (Jimbo), p.143, pl.14, fig.3. Holotype. [see also Jimbo (1894)]
- MM9104. [= I-1393] *Zelandites kawanoi* (Jimbo), p.143, pl.14, fig.4a,b.
- MM9122a. [= I-2501a] *Zelandites varuna* (Forbes) var. *japonica* Matumoto, p.140, pl.14, fig.6a,b. Syntype.
- MM9122b. [= I-2501b] *Zelandites varuna* (Forbes) var. *japonica* Matumoto, p.140, pl.14, fig.7a-c. Syntype.
- MM9123. [= I-2502] *Zelandites varuna* (Forbes) var. *japonica* Matumoto, p.140, pl.14, fig.5a,b. Syntype.
- MM9124. [= I-2509] *Zelandites mihoensis* Matumoto, p.144, pl.14, fig.2a-c. Holotype.
- MM9125. [= I-2510] *Zelandites* sp. aff. *dozei* (Fallot), p.145, pl.14, fig.1.

Matumoto [Matsumoto], T. (1941): A study on the relation between different species, with special reference to the problems on the range of fossil species. *Jour. Geol. Soc. Japan*, vol.48, no.568, pp.17-37. [in Japanese]

- MM6885. [= I-3742] *Gaudryceras denseplicatum* (Jimbo), p.21, text-fig.2a.
- MM6886. [= I-443] *Gaudryceras tenuiliratum* Yabe, p.21, text-fig.2b. (missing)
- MM6887. [= I-3516] *Gaudryceras striatum* (Jimbo) var. *pauciradiata* Matumoto, p.21, text-fig.2c. Syntype.
- MM6888. [= I-3543] *Gaudryceras striatum* (Jimbo), p.21, text-fig.2d. (missing)
- MM6889. [= I-3549] *Gaudryceras striatum* (Jimbo), p.21, text-fig.2e. (missing)

Matumoto [Matsumoto], T. (1942): A note on the Japanese ammonoid species belonging to the Tetragonitidae. *Proc. Imp. Acad. Tokyo*, vol.18, no.10, pp.671-673.

- MM5529. *Epigonicerias glabrum* var. *problematica* Matsumoto, p.672, fig.1. Holotype.

MATSUMOTO

Matsumoto, T. (1953): The ontogeny of *Metaplacenticeras subtilistriatum* (Jimbo). *Japan. Jour. Geol. Geogr.*, vol.23, pp.139-150, pl.13.

MM7502. [= I-88] *Metaplacenticeras* (*Paraplacenticeras*) *subtilistriatum* (Jimbo), p.140, pl.13, fig.1a,b. [see also Jimbo (1894)]

Matsumoto, T. (1954a) [for 1953]: The Cretaceous System in the Japanese islands. The Japanese Society for the Promotion of Scientific Research, Tokyo. xiv + 324 pp., 20 pls.

MM6667. [= I-2551] *Desmoceras kossmati* Matsumoto, p.249, pl.1, fig.1a,b. Lectotype.

MM6668. [= I-2552] *Desmoceras kossmati* Matsumoto, p.249, pl.6, fig.6. Paralectotype.

MM6672. [= I-3023] *Desmoceras* (*Pseudouhligella*) *japonicum* Yabe, p.252, pl.2, fig.1.

MM6689. [= I-3024] *Desmoceras* (*Pseudouhligella*) *japonicum* Yabe, p.252, text-fig.5.

MM6690. [= I-3020a] *Desmoceras* (*Pseudouhligella*) *japonicum mediocompressa* Matsumoto, p.257, pl.2, fig.2a,b. Holotype.

MM6691. [= I-3021] *Desmoceras* (*Pseudouhligella*) *japonicum mediocompressa* Matsumoto, p.257, pl.2, fig.3a,b. Paratype.

MM6694. [= I-3026] *Desmoceras* (*Pseudouhligella*) *japonicum compressior* Matsumoto, p.258, pl.2, fig.4a-c. Holotype.

MM6699. [= I-3027] *Desmoceras* (*Pseudouhligella*) *poronaicum* Yabe, p. 259, pl.2, figs.6a,b,7.

MM6700. [= I-3032b] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p.260, pl.3, fig.5a,b. Paratype.

MM6701. [= I-3032c] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p.260, pl.3, fig.6. Paratype.

MM6705. [= I-3030] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p.260, pl.3, fig.1a-c. Holotype.

MM6706. [= I-3034b] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p. 260, pl.3, fig.2a,b. Paratype.

MM6707. [= I-3035] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p.260, pl.3, fig.3a,b.

MM6708. [= I-3041] *Desmoceras* (*Pseudouhligella*) *ezoanum* Matsumoto, p.260, pl.3, fig.4a,b. Paratype.

MM6718. [= I-3087] *Tragodesmoceroides subcostatus* Matsumoto, p.263, pl.4, fig.1a,b. Holotype.

MM6719. [= I-3089] *Tragodesmoceroides subcostatus* Matsumoto, p.263, pl.4, fig.2.

MATSUMOTO

Matsumoto, T. (1954a): continued

- MM6720. [= I-3094] *Tragodesmoceroides subcostatus* Matsumoto, p.263, pl.4, fig.3a-c.
- MM6721. [= I-3080] *Tragodesmoceroides subcostatus* Matsumoto, p.263, pl.4, fig.4a-c.
- MM6722. [= I-3079] *Tragodesmoceroides subcostatus* Matsumoto, p.263, pl.4, fig.6.
- MM6735. [= I-2566] *Damesites damesi* (Jimbo), p.267, pl.5, fig.2a,b.
- MM6736. [= I-2576] *Damesites damesi* (Jimbo), p.267, pl.5, fig.3a,b.
- MM6821. [= I-2815] *Pachydiscus subcompressus* Matsumoto, p.287, pl.10, fig.4a,b. Holotype.
- MM6830. [= I-2827] *Pachydiscus subcompressus obsoletus* Matsumoto, p.289, pl.10, fig.5a,b. Holotype.
- MM6832. [= I-2801] *Canadoceras kossmati* Matsumoto, p.295, pl.14, fig.1. Paratype.
- MM6833. [= I-2791] *Canadoceras kossmati* Matsumoto, p.295, pl.14, fig.2. Paratype.
- MM6834. [= I-2802] *Canadoceras kossmati* Matsumoto, p.295, pl.15, fig.1. Paratype.
- MM6849. [= I-2781] *Canadoceras yokoyamai* (Jimbo), p.302, pl.13, fig.2a,b.
- MM6851. [= I-2803] *Canadoceras multicostatum* Matsumoto, p.304, pl.18, fig.2. Paratype.
- MM7498. [= I-100] *Eupachydiscus haradai* (Jimbo), p.281, pl.10, figs.1a,b, 2,3. Holotype. [see also Jimbo (1894)]
- MM7500. [= I-91] *Damesites damesi* (Jimbo), p.267, pl.5, fig.1a-d. Holotype.
- MM7501.\*[= I-58] *Anapachydiscus (Neopachydiscus) naumanni* (Yokoyama), p.279, pl.8, fig.1a,b. Syntype. [The original specimen in Bayerische Staatsammlung für Paläontologie und Historische Geologie, München]
- MM7643. [= I-374] *Anapachydiscus sutneri* (Yokoyama), p.276, pl.7, fig.1a,b.
- MM7650. [= I-381] *Canadoceras kossmati* Matsumoto, p.295, pl.13, fig.1a,b. Holotype.
- MM7678. [= I-529] *Anapachydiscus sutneri* (Yokoyama), p.276, pl.7, fig.2a,b.
- MM7681. [= I-532] *Anapachydiscus fascicostatus* (Yabe), p.273, pl.7, fig.3a,b.
- MM9117. [= I-1440] *Canadoceras mysticum* Matsumoto, p.307, pl.15, fig.2a,b. Paratype.
- MM9118. [= I-1444] *Canadoceras multicostatum* Matsumoto, p.304, pl.18, fig.1a-c. Holotype.

MATSUMOTO

Matsumoto, T. (1954a): continued

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Desmoceras kossmati* Matsumoto: MM6669 [= I-2553], MM6671 [= I-3086]

*Desmoceras (Pseudouhligella) japonicum* Yabe: MM6673b [= I-3020c,d], MM6674 [= I-3029a-e], MM6675 [= I-3048], MM6676 [= I-3049], MM6677 [= I-3050], MM6678 [= I-3052], MM6679 [= I-3053], MM6680 [= I-3056], MM6681 [= I-3057], MM6682 [= I-3064], MM6683 [= I-3068], MM6684 [= I-3069], MM6685 [= I-3072], MM6686 [= I-2560], MM6687 [= I-2562], MM6688 [= I-2559], MM9127 [= I-2563]

*Desmoceras (Pseudouhligella) japonicum mediocompressa* Matsumoto: MM6673a [= I-3020b], MM6692 [= I-3022a-e], MM6693 [I-3060]

*Desmoceras (Pseudouhligella) japonicum compressor* Matsumoto: MM6695 [= I-3038], MM6696 [= I-3039](missing), MM6697 [= I-3075], MM6698 [= I-2558]

*Desmoceras (Pseudouhligella) poronaicum* Yabe: MM6702 [= I-3028], MM6703 [= I-3045], MM6704 [I-3082]

*Desmoceras (Pseudouhligella) ezoanum* Matsumoto: MM6709 [= I-3031](missing), MM6710 [= I-3032], MM6711 [= I-3033], MM6712 [= I-3036], MM6713 [= I-3037], MM6714 [= I-3039], MM6715 [= I-3040], MM6716 [= I-3042], MM6717 [= I-3044]

*Tragodesmoceroides subcostatus* Matsumoto: MM6723 [= I-3088], MM6724 [= I-3090], MM6725 [= I-3091], MM6726 [= I-3092], MM6727 [= I-3093], MM6728 [= I-3095], MM6729 [= I-3098], MM6730 [= I-3086], MM6731 [= I-3102], MM6732 [= I-2602], MM6733 [= I-2559], MM6734 [= I-3056](missing)

*Damesites damesi* (Jimbo): MM6737 [= I-2567], MM6738 [= I-2568], MM6739 [= I-2569], MM6740 [= I-2570], MM6741 [= I-2571], MM6742 [= I-2572], MM6743 [= I-2573], MM6744 [= I-2581], MM6745 [= I-2592], MM6746 [= I-2603], MM6747 [= I-2604], MM6748 [= I-2605], MM6749 [= I-2606], MM6750 [= I-2607], MM6751 [= I-2608], MM6752 [= I-2609], MM6753 [= I-2610], MM6754 [= I-2611], MM6755 [= I-2612], MM6756 [= I-2613], MM6757 [= I-2614], MM6758 [= I-3106], MM6759 [= I-3108], MM6760 [= I-3109], MM6761 [= I-3111], MM6762 [= I-3113], MM6763 [= I-2574], MM7503 [= I-92a], MM7504 [= I-92b,c], MM7505 [= I-93a], MM7629 [= I-356a-c], MM7630 [= I-357], MM7687 [= I-538], MM7689 [= I-540], MM7690 [= I-541]

*Anapachydiscus fascicostatus* (Yabe): MM6765 [= I-387], MM6766 [= I-388], MM6767 [= I-2724], MM6768 [= I-2725](missing), MM6769 [= I-2730], MM6770 [= I-2727], MM6771 [= I-2728], MM6772 [= I-2729], MM6773 [= I-2731], MM6774 [= I-2732](missing), MM6775 [= I-2736](missing), MM6776 [= I-3439], MM6777 [= I-3387], MM7646 [= I-377], MM7648 [= I-379]

*Anapachydiscus sutneri* (Yokoyama): MM6778 [= I-391], MM6779 [= I-2737], MM6780 [= I-2738], MM6781 [= I-2740](missing), MM6782 [= I-2741], MM6783 [= I-3383], MM6784 [= I-3385], MM6785 [= I-2739], MM7677 [= I-528], MM7684 [= I-535]

*Anapachydiscus (Neopachydiscus) naumanni* (Yokoyama): MM6786 [= I-1330], MM6787 [= I-1331], MM6788 [= I-1332], MM6789 [= I-1339], MM6790 [= I-2751], MM9141 [= I-2750]

MATSUMOTO

Matsumoto, T. (1954a): continued

*Eupachydiscus haradai* (Jimbo): MM6791 [= I-135], MM6792 [= I-136], MM6793 [= I-137], MM6794 [= I-138], MM6795 [= I-139], MM6796 [= I-140], MM6797 [= I-3445], MM6798 [= I-3446], MM6799 [= I-3447], MM6800 [= I-3450], MM6801 [= I-3451], MM6802 [= I-3454], MM6803 [= I-3490](missing), MM6804 [= I-3491](missing), MM6805 [= I-3492](missing), MM6806 [= I-3493], MM6807 [= I-3494], MM6808 [= I-3495](missing), MM6809 [= I-2755], MM6810 [= I-2756], MM6811 [= I-2752], MM6812 [= I-2753], MM6813 [= I-2759], MM6814 [= I-2760], MM6815 [= I-2761], MM6816 [= I-2764], MM6817 [= I-2766], MM6818 [= I-2757], MM6819 [= I-2758], MM6820 [= I-2763], MM7647 [= I-378], MM7680 [= I-530]

*Pachydiscus subcompressus* Matsumoto: MM6822 [= I-2816], MM6823 [= I-2817], MM6824 [= I-2818], MM6825 [= I-2819], MM6826 [= I-2820], MM6827 [= I-2824], MM6828 [= I-2825], MM6829 [= I-2826], MM7691 [= I-542a]

*Pachydiscus subcompressus obsoletus* Matsumoto: MM6831 [= I-2828]

*Canadoceras kossmati* Matsumoto: MM6835 [= Cr-576](missing), MM6836 [= Cr-538](missing), MM6837 [= K-1018a](missing), MM6838 [= I-2790], MM6839 [= I-2792], MM6840 [= I-2793], MM6841 [= I-2795], MM6842 [= I-2797], MM6843 [= I-1436], MM6844 [= I-3481], MM6845 [= I-3482], MM6846 [= I-3483], MM6847 [= I-3484], MM6848 [= I-3485], MM7510 [= I-99], MM9143 [= I-1439]

*Canadoceras yokoyamai* (Jimbo): MM6850 [= I-2780], MM7511 [= I-103]

*Canadoceras multicostatum* Matsumoto: MM6852 [= I-1445], MM6853 [= I-1446], MM6854 [= I-1447a,b], MM6855 [= I-1449], MM6856 [= I-1450], MM6857 [= I-1451], MM6858 [= I-1452], MM6859 [= I-1453], MM6860 [= I-2794], MM6861 [= I-2800], MM6862 [= I-2805]

Matsumoto, T. (1954b): Family Puzosiidae from Hokkaido and Saghalien.

*Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.5, no.2, pp.69-118, pls.9-23.

MM6594. [= I-671] *Puzosia subcorbarica* Matsumoto, p.73, pl.12, fig.1.  
Paratype. (missing)

MM6600. [= I-3191] *Puzosia nipponica* Matsumoto, p.77, pl.10, fig.1. Holotype.

MM6612. [= I-2639] *Puzosia* (?) *ambigua* Matsumoto, p.78, pl.10, figs.2,3. Holotype.

MM6620. [= I-366] *Mesopuzosia yubarensis* (Jimbo)[error of *yubarensis*], p.86, pl.14, fig.3a,b.

MM6621. [= I-3438] *Mesopuzosia densicostata* Matsumoto, p.87, pl.22, fig.2. Paratype.

MM6640. [= I-2706] *Neopuzosia ishikawai* (Jimbo), p.94, pl.19, fig.2a,b.

MM6645. [= I-3221] *Jimboiceras planulatiforme* (Jimbo), p.96, pl.20, fig.3a-c.

MM6646. [= I-2651] *Jimboiceras planulatiforme* (Jimbo), p.96, pl.20, fig.4.

MATSUMOTO

Matsumoto, T. (1954b): continued

- MM6652. [= I-2642] *Jimboiceras mihoense* Matsumoto, p.98, pl.12, fig.2a,b.  
Paratype.
- MM6653. [= I-2650] *Jimboiceras mihoense* Matsumoto, p.98, pl.13, fig.3.  
Paratype.
- MM6660. [= I-2805] *Pachydesmoceras pachydiscoides* Matsumoto, p.10, pl.9,  
fig.2a,b.
- MM7499. [= I-94] *Jimboiceras planulatiforme* (Jimbo), p.96, pl.20, fig.1.  
Holotype. [see also Jimbo (1894)]
- MM7507. [= I-95a,b] *Neopuzosia ishikawai* (Jimbo), p.94, pl.19, fig.1a,b.  
Lectotype. [see also Jimbo (1894)]
- MM7508. [= I-97] *Mesopuzosia yubarensis* (Jimbo)[error of *yubarensis*], p.  
86, pl.13, fig.3a,b. Holotype. [see also Jimbo (1894)]
- MM7628. [= I-354a,b] *Jimboiceras planulatiforme* (Jimbo), p.96, pl.20,  
fig.2.
- MM7635. [= I-364] *Mesopuzosia pacifica* Matsumoto, p.82, pl.14, fig.1a,b.  
Paratype.
- MM7636. [= I-365] *Mesopuzosia yubarensis* (Jimbo)[error of *yubarensis*], p.  
86, pl.13, fig.4, pl.14, fig.2.
- MM7639. [= I-370] *Puzosia subcorbarica* Matsumoto, p.73, pl.9, fig.1a,b.  
Holotype.
- MM7694. [= I-544] *Mesopuzosia densicostata* Matsumoto, p.87, pl.22, fig.  
1a,b. Holotype.
- MM9130. [= I-2641] *Jimboiceras mihoense* Matsumoto, p.98, pl.12, fig.1.  
Holotype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

- Puzosia subcorbarica* Matsumoto: MM6595 [= I-672](missing), MM6596 [= I-2631], MM6597 [= I-2628], MM6598 [= I-2629], MM6599 [= I-2630], MM9129 [= I-2632]
- Puzosia nipponica* Matsumoto: MM6601 [= I-3188], MM6602 [= I-3198], MM6603 [= I-3199], MM6604 [= I-3200], MM6605 [= I-3229], MM6606 [= I-2638], MM6607 [= I-2637], MM6608 [= I-2636], MM6609 [= I-2635], MM6610 [= I-3766], MM6611 [= I-3767]
- Puzosia* (?) *ambigua* Matsumoto: MM6614 [= I-2640], MM6615 [= I-3189](missing), MM6616 [= I-3190], MM6617 [= I-3197]
- Mesopuzosia pacifica* Matsumoto: MM6618 [= I-3216], MM6619 [= I-3217]
- Mesopuzosia yubarensis* (Jimbo): MM7652 [= I-385]
- Mesopuzosia densicostata* Matsumoto: MM6622 [= I-2689], MM6623 [= I-2690]
- Neopuzosia japonica* (Spath): MM6624 [= I-2703], MM6625 [= I-2709], MM6626 [= I-2710], MM6627 [= I-2711], MM6628 [= I-2712], MM6629 [= I-2714],

MATSUMOTO

Matsumoto, T. (1954b): continued

MM6630 [= I-2671], MM6631 [= I-3421], MM6632 [= I-3424], MM6633 [= I-3426], MM6634 [= I-3428], MM6635 [= I-3429], MM6636 [= I-3431], MM6637 [= I-3433], MM6638 [= I-3434], MM6639 [= I-3435], MM7637 [= I-368]

*Neopuzosia ishiikawai* (Jimbo): MM6641 [= I-2705], MM6642 [= I-2687], MM6643 [= I-2713], MM6644 [= I-3432], MM7697 [= I-547], MM7698 [= I-548], MM7700 [= I-550], MM9137 [= I-2688]

*Jimboiceras planulatiforme* (Jimbo): MM6647 [= I-2654], MM6648 [= I-3219], MM6649 [= I-3230], MM6650 [= I-3224], MM6651 [= I-3226], MM9131 [= I-2648], MM9140 [= I-2719]

*Jimboiceras mihoense* Matsumoto: MM6654 [= I-2647], MM6655 [= I-2643]

*Pachydesmoceras* cf. *denisonianum* (Stoliczka): MM6656 [= I-3195](missing), MM6657 [= I-3194](missing), MM6658 [= I-3196](missing), MM6659 [= I-3765]

*Pachydesmoceras pachydiscoides* Matsumoto: MM6661 [= I-2716](missing), MM6662 [= I-2717](missing), MM6663 [= I-2718](missing), MM6664 [= I-2721](missing), MM6665 [= I-2720](missing), MM6666 [= I-3207]

Matsumoto, T. (1955a): Family Kossmaticeratidae from Hokkaido and Saghalien. *Japan. Jour. Geol. Geogr.*, vol.26, nos.1-2, pp.115-164, pls. 8-10.

MM6863. [= I-3231] *Marshallites compressus* Matsumoto, p.123, pl.8, fig. 1a,b. Holotype. [Transferred to the Kyushu University, GK.H2751]

MM6864. [= I-3234a,b] *Marshallites compressus* Matsumoto, p.123, pl.8, fig. 2. Paratype.

MM6867. [= I-3240] *Marshallites compressus puzosioides* Matsumoto, p.125, pl.8, fig.3. Holotype.

MM6868. [= I-3239] *Marshallites compressus puzosioides* Matsumoto, p.125, pl.8, fig.4a,b. Paratype.

MM6869. [= I-3232a] *Marshallites* sp. aff. *M. compressus* Matsumoto, p.127, text-fig.3. (missing)

MM6870. [= I-3710] *Marshallites olcostephanoides* Matsumoto, p.129, pl.8, fig.7a,b. Paratype.

MM6871. [= I-3232b] *Marshallites olcostephanoides* Matsumoto, p.129, text-fig.4. Paratype. (missing)

MM6877. [= I-3235a] *Eomadrasites subnipponicus* Matsumoto, p.137, pl.10, fig.2a,a',b, text-fig.8. Holotype.

MM6879. [= I-3248] Gen. et sp. indet. nov.?, p.138, pl.10, fig.4.

MM6880. [= I-3712] Gen. et sp. indet. nov.?, p.138, text-fig.10a.

MM6881. [= I-3713] Gen. et sp. indet. nov.?, p.138, text-fig.10b.

MATSUMOTO

Matsumoto, T. (1955a): continued

- MM7517. [= I-107] *Yokoyamaoceras kotoi* (Jimbo), p.151, text-fig.11a-c.  
Holotype. [see also Jimbo (1894)]
- MM7623. [= I-347a,b] *Yokoyamaoceras kotoi* (Jimbo), p.151, text-fig.12a-c.
- MM7625a. [= I-349a] *Yokoyamaoceras jimboi* Matsumoto, p.153, pl.9, fig.4  
a,b. Holotype.
- MM7625b. [= I-349b] *Yokoyamaoceras jimboi* Matsumoto, p.153, pl.9, fig.5  
a,b. Paratype.
- MM7627. [= I-353] *Kossmaticeras japonicum* Matsumoto, p.150, pl.9, fig.3a,b.  
Holotype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

- Marshallites compressus* Matsumoto: MM6865 [= I-3233], MM6866 [= I-3236]  
(missing)
- Marshallites olcostephanoides* Matsumoto: MM6872 [= I-3237], MM6873 [= I-3241](missing), MM6874 [= I-3242](missing), MM6875 [= I-3244], MM6876  
[= I-3305]
- Eomadrasites subnipponicus* Matsumoto: MM6878 [= I-3235b]
- Kossmaticeras japonicum* Matsumoto: MM6882 [= Cr.125]
- Yokoyamaoceras jimboi* Matsumoto: MM6883 [= Cr.598c], MM7624 [= I-348a,b],  
MM7626 [= I-350]

Matsumoto, T. (1955b): The bituberculate pachydiscids from Hokkaido and Saghalien. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.5, no.3, pp.153-184, pls.31-37.

- MM5625. [= I-2773] *Menuites cf. menu* (Forbes), p.157, pl.32, fig.6.
- MM5626. [= I-3462] *Menuites japonicus* Matsumoto, p.158, pl.31, figs.1a-c,  
2a-d. Holotype.
- MM5627. [= I-3471] *Menuites japonicus* Matsumoto, p.158, pl.31, fig.3a,b.  
Paratype.
- MM5628. [= I-2771] *Menuites japonicus* Matsumoto, p.158, pl.33, fig.2a-d.  
Paratype.
- MM5629. [= I-524] *Menuites naibutiensis* Matsumoto, p.164, pl.33, fig.1a-d.  
Holotype.
- MM5631. [= I-3469] *Urakawites rotalinoides* (Yabe), p.169, pl.34, fig.2a,b.
- MM5632. [= I-3465] *Urakawites rotalinoides* (Yabe), p.169, pl.34, fig.3a,b.
- MM5633. [= I-2774] *Urakawites rotalinoides* (Yabe), p.169, pl.37, fig.1a-c.
- MM5637. [= I-3488] *Teshioites ryugasensis* Matsumoto, p.174, pl.36, fig.  
1a,b. Holotype.



MATSUMOTO

Matsumoto, T. (1955b): continued

- MM5638. [= I-3473] *Teshioites ryugasensis* Matsumoto, p.174, pl.36, fig. 3a,b. Paratype.  
MM5643. [= I-3466] *Teshioites teshioensis* Matsumoto, p.177, pl.37, fig. 2a,b. Holotype.  
MM7685. [= I-536] *Menuites japonicus* Matsumoto, p.158, pl.33, fig.3a-c. Paratype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Menuites* cf. *menu* (Forbes): MM7675 [= I-525]

*Menuites japonicus* Matsumoto: MM7676 [= I-526]

*Menuites pusillus* Matsumoto: MM5630 [= I-2772]

*Urakawites rosalinoides* (Yabe): MM5634 [= I-3464], MM5635 [= I-3467], MM 5636 [= I-3470]

*Teshioites ryugasensis* Matsumoto: MM5640 [= I-2775], MM5641 [= I-2776], MM5642 [= I-2779]

*Teshioites teshioensis* Matsumoto: MM5644 [= I-3461]

*Anapachydiscus deccanensis yezoensis* Matsumoto: MM5645 [= I-2742], MM5646 [= I-2749](missing), MM5647 [= I-2743], MM5648 [= I-2744], MM5649 [= I-2745], MM5650 [= I-2746], MM5651 [= I-2747], MM5652 [= I-2748]

Matsumoto, T. (1956): Further notes on the kossmaticeratids from Hokkaido.

*Japan. Jour. Geol. Geogr.*, vol.27, nos.2-4, pp.173-187, pls.14-16.

MM5653. [= I-352a] *Kossmaticeras pachystoma* (Kossmat), p.177, pl.14, fig. 3, text-fig.1.

MM5654. [= I-352b] *Kossmaticeras pachystoma* (Kossmat), p.177, pl.14, fig. 4a,b.

Matsumoto, T. (1959a): Cretaceous ammonites from the Upper Chitina valley,

Alaska. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.8, no.3, pp.49-90, pls. 12-29.

MM5667. [= I-3251] *Partschiceras ? japonicum* (Matsumoto), p.52, pl.28, fig.2a-d. Lectotype.

MM5668. [= I-3255a] *Partschiceras ? japonicum* (Matsumoto), p.52, pl.29, figs.1a,b. Paralectotype.

The following specimens, which were mentioned but not illustrated in this paper, are also to be preserved in this museum.

MATSUMOTO

Matsumoto, T. (1959a): continued

*Marshallites* aff. *M. olcostephanoides* Matsumoto: MM6870 [= I-3710a](missing), MM6871 [= I-3232b](missing)

*Parajaubertella kawakitana* Matsumoto: MM5669 [= I-3717](missing)

Matsumoto, T. (1959b): Upper Cretaceous ammonites of California. Part II.

*Mem. Fac. Sci. Kyushu Univ.*, ser.D, spec. vol.1, pp.1-172, pls.1-41.

The following specimens, which were mentioned but not illustrated in this paper, are preserved in this museum.

*Desmoceras kossmati* Matsumoto: MM6667 [= I-2551][see also Matsumoto (1954a)]

*Pachydesmoceras pachydiscoide* Matsumoto: MM6660 [= I-2805][see also Matsumoto (1954b)]

*Hauericeras* (*Gardeniceras*) *angustum* Yabe: MM5604 [= I-3852](missing), MM 7573 [= I-257][see also Yabe (1904)]

*Eupachydiscus haradai* (Jimbo): MM7498 [= I-100][see also Jimbo (1894)]

*Pachydiscus subcompressus* Matsumoto: MM6821 [= I-2815][see also Matsumoto (1954a)]

*Pachydiscus subcompressus obsoletus* Matsumoto: MM6830 [= I-2827][see also Matsumoto (1954a)]

*Pachydiscus buckhami* Usher: MM7469 [= I-102]

*Canadoceras yokoyamai* (Jimbo): MM7511 [= I-103][see also Jimbo (1894)]

*Calycoceras orientale* Matsumoto, Saito and Fukada: MM5657 [= I-3168][see also Matsumoto, Saito and Fukada (1957)]

*Romaniceras pseudodeverianum* (Jimbo): MM7516 [= I-106][see also Jimbo (1894)]

*Texanites kawasakii* (Kawada): MM7701 [= I-553][see also Kawada (1929)]

*Anagaudryceras yamashitai* (Yabe): MM7462 [= I-201][see also Yabe (1903b)]

*Gaudryceras* (s. s.) *denseplicatum* (Jimbo): MM7491 [= I-118][see also Jimbo (1894)]

*Tetragonites glabrus* (Jimbo): MM7513 [= I-111][see also Jimbo (1894)]

*Tetragonites popetensis* Yabe: MM7460 [= I-207](missing)[see also Yabe (1903b)]

*Bostrychoceras otsukai* (Yabe): MM7555 [= I-243][see also Yabe (1904)]

*Scalarites mihoensis* Wright and Matsumoto: MM6564 [= I-2951a][see also Wright and Matsumoto (1954)]

*Ryugasella ryugasensis* Wright and Matsumoto: MM6583 [= I-2862][see also Wright and Matsumoto (1954)]

MATSUMOTO

Matsumoto, T. (1963): A survey of the fossils from Japan illustrated in classical monographs. Part X. K. Jimbo: Beiträge zur Kenntniss der Fauna der Kreideformation von Hokkaido. Palaeont. Soc. Japan, 25th Anniv. Vol., pp.41-48, pls.60-68. [see also Jimbo (1894)]

- MM4465. *Acanthotriconia longiloba* (Jimbo), p.45, pl.67, fig.3. Paralectotype.
- MM7481. [= I-151] *Inoceramus incertus* Jimbo, p.45, pl.67, fig.7. Syntype.
- ME7482. [= I-160] *Niponaster hokkaidoensis* Lambert, p.46, pl.68, fig.8. Holotype.
- MA7483. [= I-159] *Notopocorytes (Eucorystes) japonicus* (Jimbo), p.46, pl.68, fig.7. Holotype.
- MB7484. [= I-158] *Carneithyris* (?) sp., p.46, pl.68, fig.6. (missing)
- MM7485. [= I-141] *Helcion* cf. *giganteus* Schmidt, p.46, pl.68, fig.5. (missing)
- MM7486. [= I-142] *Helcion* cf. *giganteus* Schmidt, p.46, pl.68, fig.4.
- MM7487. [= I-155] *Inoceramus schmidtii* Michael, p.46, pl.67, fig.10. (missing)
- MM7488. [= I-148, Cr.1285] *Heterotriconia subovalis* (Jimbo), p.45, pl.67, fig.5. Lectotype.
- MM7489. [= I-143] *Acanthotriconia longiloba* (Jimbo), p.45, pl.67, fig.2, 4. Lectotype. (missing)
- MM7490. [= I-126a] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.45, pl.66, fig.4. Paralectotype.
- MM7491. [= I-118] *Gaudryceras denseplicatum* (Jimbo), p.44, pl.66, fig.1,1a. Holotype.
- MM7492. [= I-117] *Gaudryceras crassicosatum* (Jimbo), p.44, pl.65, fig.7,7a. Holotype.
- MM7493. [= I-116] *Gaudryceras striatum* (Jimbo), p.44, pl.65, fig.6,6a,b. Holotype.
- MM7494. [= I-114] *Tetragonites glabrus* (Jimbo), p.44, pl.65, fig.4.
- MM7495. [= I-109] *Gaudryceras denseplicatum* (Jimbo), p.44, pl.65, fig.1, 1a.
- MM7496. [= I-102] *Anapachydiscus subtililobatus* (Jimbo), p.43, pl.63, fig. 2,2a. Holotype.
- MM7497. [= I-101] *Eupachydiscus teshioensis* (Jimbo), p.43, pl.62, fig.1, 1a. Holotype.
- MM7498. [= I-100] *Eupachydiscus haradai* (Jimbo), p.43, pl.61, fig.2,2a. Lectotype.
- MM7499. [= I-94] *Jimboiceras planulatiforme* (Jimbo), p.43, pl.60, fig.4, 4a. Lectotype.

MATSUMOTO

Matsumoto, T. (1963): continued

- MM7500. [= I-91] *Damesites damesi* (Jimbo), p.42, pl.60, fig.2,2a. Lectotype.
- MM7502. [= I-88] *Metaplacenticeras subtilistriatum* (Jimbo), p.42, pl.60, fig.1,1a. Syntype.
- MM7503. [= I-92a] *Damesites damesi* (Jimbo), p.42, pl.60, fig.3. Paralectotype.
- MM7507. [= I-95] *Neopuzosia ishikawai* (Jimbo), p.43, pl.60, fig.5,5a. Lectotype.
- MM7508. [= I-97] *Mesopuzosia yubarensis* (Jimbo), p.43, pl.60, fig.6,6a. Holotype.
- MM7509. [= I-98] *Zelandites kawanoi* (Jimbo), p.43, pl.60, fig.7,7a. Holotype.
- MM7510. [= I-99] *Canadoceras kossmati* Matsumoto, p.43, pl.61, fig.1,1a. Paratype.
- MM7511. [= I-103] *Canadoceras yokoyamai* (Jimbo), p.43, pl.61, fig.3,3a. Lectotype.
- MM7512. [= I-105] *Calycoceras asiaticum* (Jimbo), p.43, pl.63, fig.1,1a. Holotype.
- MM7513. [= I-111] *Tetragonites glabrus* (Jimbo), p.44, pl.65, fig.2,2a. Syntype.
- MM7514. [= I-113] *Desmophyllites* cf. *diphylloides* (Forbes), p.44, pl.65, fig.3,3a.
- MM7515. [= I-115] *Tetragonites crassus* (Jimbo), p.44, pl.65, fig.5,5a. Holotype.
- MM7516. [= I-106] *Romaniceras pseudodeverianum* (Jimbo), p.44, pl.64, fig.1,1a. Holotype.
- MM7517. [= I-107] *Yokoyamaoceras kotoi* (Jimbo), p.44, pl.64, fig.2,2a. Holotype.
- MM7518. [= I-108] *Otoscaphtes perrini* (Anderson)(?), p.46, pl.68, fig.3,3a.
- MM7519. [= I-119] *Scaphites yokoyamai* Jimbo, p.44, pl.64, fig.3,3a. Syntype.
- MM7520. [= I-120] *Otoscaphtes puerculus* (Jimbo), p.44, pl.64, fig.4,4a. Lectotype.
- MM7521. [= I-122] *Neocrioceras spinigerum* (Jimbo), p.45, pl.67, fig.1. Syntype.
- MM7522. [= I-123] *Neocrioceras spinigerum* (Jimbo), p.45, pl.67, fig.1a,b. Syntype.
- MM7523. [= I-124] *Polyptychoceras obstrictum* (Jimbo), p.45, pl.66, fig.2,2a. Lectotype.
- MM7524. [= I-125] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.45, pl.66, fig.3,3a. Lectotype.

MATSUMOTO

Matsumoto, T. (1963): continued

- MM7525. [= I-127] *Scalarites* sp., p.45, pl.66, fig.5,5a.  
MM7526. [= I-128] *Polyptychoceras* (*Subptychoceras*) sp., p.45, pl.66, fig.6.  
MM7529. [= I-129] *Scalarites* [or *Glyptoxoceras* ?] sp., p.45, pl.66, fig.7, 7a.  
MM7530. [= I-130] *Scalarites* sp., p.46, pl.68, fig.1.  
MM7531. [= I-131] *Polyptychoceras* cf. *haradanum* (Yokoyama), p.46, pl.68, fig.2,2a.  
MM7532. [= I-132] "*Bostrychoceras*" *otsukai* (Yabe), p.43, pl.60, fig.8,8a.  
MM7534. [= I-150] *Inoceramus angulosus* Jimbo, p.45, pl.67, fig.6. Holotype.  
MM7536. [= I-153] *Inoceramus orientalis orientalis* Sokolow, p.46, pl.67, fig.8.  
MM7537. [= I-154] *Inoceramus sachalinensis* Sokolow, p.46, pl.67, fig.9.  
MM7538. [= I-156] *Inoceramus orientalis nagoi* Matsumoto and Ueda, p.46, pl.67, fig.11.

Matsumoto, T. (1965): A monograph of the Collignoniceratidae from Hokkaido.

Part I. *Mem. Fac. Sci. Kyushu Univ.*, vol.16, no.1, pp.1-80, pls.1-18.

- MM5684. [= I-3187] *Prionocycloceras* sp. aff. *P. guayabanum* (Steinmann), p.43, text-fig.20. [transferred to the Kyushu University, GK.H 5488]

The following specimens, which were mentioned but not illustrated in this paper, are (or were) preserved in this museum.

- Subprionocyclus neptuni* (Geinitz): MM5685 [= I-3325][transferred to the Kyushu Univ.], MM5686 [= I-3327], MM5687 [= I-3329][transferred to the Kyushu Univ.], MM5688 [= I-3330], MM5689 [= I-3331]

Matsumoto, T. (1967): A Cretaceous nautiloid from Urakawa, Hokkaido.

*Japan. Jour. Geol. Geogr.*, vol.38, nos.2-4, pp.163-169, pl.3.

- MM3916. [= Cr.1236] *Eutrephoceras kobayashii* Matsumoto, p.164, pl.3, fig. 1a,b. Holotype.

Matsumoto, T. (1970): A monograph of the Collignoniceratidae from Hokkaido.

Part 4. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.20, no.2, pp.225-304, pls.30-47.

- MM7701. [= I-553] *Texanites* (*Plesiotexanites*) *kawasakii* (Kawada), p.280, pl.38, fig.1a-c. Holotype. [see also Kawada (1929)]

MATSUMOTO

Matsumoto, T. (1970): continued

- MM7702. [= I-551] *Texanites* (*Plesiotexanites*) *kawasakii* (Kawada), p.280, pl.38, fig.2a,b. [see also Kawada in Kawasaki (1934)]  
MM7703. [= I-552] *Texanites* (*Plesiotexanites*) *kawasakii* (Kawada), p.280.

Matsumoto, T. (1973): Vascoceratid ammonites from the Turonian of Hokkaido.

*Trans. Proc. Palaeont. Soc. Japan*, N. S., no.89, pp.27-41, pl.8.

- MM5683. [I-3249] *Fagesia thevestensis* (Peron), p.32, pl.8, fig.2a-c.  
MM7561. [I-254] *Fagesia thevestensis* (Peron), p.32, text-fig.2a-c. [see also Yabe (1904)]

Matsumoto, T. (1975): Additional acanthoceratids from Hokkaido. *Mem. Fac.*

*Sci. Kyushu Univ.*, ser.D, vol.22, no.2, pp.99-163, pls.11-23.

- MM5663. [= I-3185] *Yubariceras otatumei* (Matsumoto, Saito and Fukada), p.144, text-figs.15a,b,16. Holotype. [see also Matsumoto, Saito and Fukada (1957)]  
MM7622. [= I-345] *Yubariceras japonicum* Matsumoto, Saito and Fukada, p.139, text-fig.13a,b. Holotype. [see also Matsumoto, Saito and Fukada (1957)]

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Romaniceras* sp. cf. *R. yezoense* Matsumoto: MM5661 [= I-3179][see also Matsumoto, Saito and Fukada (1957)]

*Yubariceras yubarens* Matsumoto, Saito and Fukada: MM7620 [= I-343][see also Matsumoto, Saito and Fukada (1957)]

Matsumoto, T. (1977): Some heteromorph ammonites from the Cretaceous of Hokkaido. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.23, no.3, pp.303-366, pls.43-61.

The following specimens, which were mentioned but not illustrated in this paper, are preserved in this museum.

*Hyphantoceras oshimai* (Yabe): MM7553 [= I-241][see also Yabe (1904)]

*Hyphantoceras orientale* (Yabe): MM7572a [= I-251][see also Yabe (1904)], MM7572b [= I-252]

*Eubostriyoceras japonicum* (Yabe): MM7559 [= I-249][see also Yabe (1904)]

*Eubostriyoceras otsukai* (Yabe): MM7555 [= I-243][see also Yabe (1904)], MM7556 [= I-244][see also Yabe (1904)]

MATSUMOTO

Matsumoto, T. (1977): continued

*Nipponites mirabilis* Yabe: MM7560 [= I-253][see also Yabe (1904)]

*Pseudoxybeloceras quadrinodosum* (Jimbo): MM7524 [= I-125][see also Jimbo (1894), Matsumoto (1963)]

*Scalarites scalaris* (Yabe): MM7549a [= I-233][see also Yabe (1904)]

*Eubostrychoceras* sp.: MM7549b [= I-234][see also Yabe (1904)]

Matsumoto, T., Hayami, I. and Asano, K. (1963): A survey of fossils from Japan illustrated in classical monographs. Part VII. M. Yokoyama: Versteinerungen aus der japanischen Kreide. Palaeont. Soc. Japan, 25th Anniv. Vol., pp.27-32, pls.44-51.

MM7501.\* [= I-58] *Anapachydiscus* (*Neopachydiscus*) *naumanni* (Yokoyama), p.29, pl.45, fig.6a,b. [the original specimen in Bayerische Staatssammlung für Paläontologie und Historische Geologie, München][see also Matsumoto (1954a)] Syntype.

Matsumoto, T. and Kanie, Y. (1967): *Ainoceras*, a new heteromorph ammonoid genus from the Upper Cretaceous of Hokkaido. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.18, no.2, pp.349-359, pls.20,21.

MM5679. [= I-3573a] *Ainoceras paucicostatum* Matsumoto and Kanie, p.356, pl.21, fig.1a-d. Paratype.

MM5680. [= I-3576] *Ainoceras paucicostatum* Matsumoto and Kanie, p.356, pl.21, fig.2a-c. Paratype.

MM5681. [= I-3577] *Ainoceras paucicostatum* Matsumoto and Kanie, p.356, pl.21, fig.4.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Ainoceras kamuy* Matsumoto and Kanie: MM5677 [= I-3575], MM5678 [= I-3572]

*Ainoceras paucicostatum* Matsumoto and Kanie: MM5682 [= I-3572]

Matsumoto, T. and Obata, I. (1955): Some Upper Cretaceous desmoceratids from Hokkaido and Saghalien. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol. 5, no.3, pp.119-151, pls.24-30.

MM5551. [= I-1491] *Desmophyllites diphylloides* (Forbes), p.121, pl.24, fig.1a,b.

MM5552. [= I-3117] *Desmophyllites diphylloides* (Forbes), p.121, pl.24, figs.2a,b,3a,b, text-fig.1.

MATSUMOTO

Matsumoto, T. and Obata, I. (1955): continued

- MM5553. [= I-3118] *Desmophyllites diphylloides* (Forbes), p.121, pl.24, fig.4a,b.
- MM5554. [= I-1488] *Desmophyllites diphylloides* (Forbes), p.121, pl.24, fig.5a,b.
- MM5557. [= I-1479] *Desmophyllites diphylloides* (Forbes), p.121, pl.30, fig.1.
- MM5579. [= I-3104] *Damesites semicostatus* Matsumoto, p.126, pl.25, fig. 1a-d. Lectotype.
- MM5580. [= I-1473] *Damesites semicostatus* Matsumoto, p.126, pl.25, fig. 2a-c.
- MM5581. [= I-362] *Damesites semicostatus* Matsumoto, p.126, pl.25, fig. 3a,b.
- MM5582. [= I-363] *Damesites semicostatus* Matsumoto, p.126, pl.25, fig. 4a,b.
- MM5583. [= I-361] *Damesites semicostatus* Matsumoto, p.126, pl.25, fig. 5a,b.
- MM5584. [= I-3388] *Damesites semicostatus* Matsumoto, p.126, pl.30, fig.6.
- MM5590. [= I-3119] *Damesites sugata* (Forbes), p.128, pl.26, fig.4a,b.
- MM5591. [= I-1470] *Damesites sugata* (Forbes), p.128, pl.26, fig.5a,b.
- MM5592. [= I-1469] *Damesites sugata* (Forbes), p.128, pl.27, fig.4a-d, text-fig.3.
- MM5604. [= I-3852] *Hauericeras (Gardeniceras) angustum* Yabe, p.137, pl. 29, fig.3a,b. (missing)
- MM5605. [= I-3389] *Hauericeras (Gardeniceras) angustum* Yabe, p.137, text-fig.7.
- MM5624. [= I-3101] *Desmoceras (Pseudouhligella) (?)* n. sp., p.136, pl.30, fig.7. (missing)
- MM6747. [= I-2604] *Damesites damesi intermedius* Matsumoto, p.131, pl.27, fig.1.
- MM7573. [= I-257] *Hauericeras (Gardeniceras) angustum* Yabe, p.137, pl.29, fig.2a,b. Holotype. [see also Yabe (1904)]
- MM7575. [= I-274] *Hauericeras (Gardeniceras) angustum* Yabe, p.137, pl.29, fig.1a,b. Paratype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Desmophyllites diphylloides* (Forbes): MM5555 [= I-1477], MM5556 [= I-1478], MM5558 [= I-1480], MM5559 [= I-1481], MM5560 [= I-1485], MM5561 [= I-1486], MM5562 [= I-1487], MM5563 [= I-1482], MM5564 [= I-1483], MM5565 [= I-1484], MM5566 [= I-1489], MM5567 [= I-1490], MM5568 [= I-986](missing), MM5569 [= I-1492], MM5570 [= I-1494], MM5571 [= I-2615](missing), MM5572 [= I-



MATSUMOTO

Matsumoto, T. and Obata, I. (1955): continued

2626](missing), MM5573 [= I-2627](missing), MM5574 [= I-3114], MM5575 [= I-3115], MM5576 [= I-3130](missing), MM5577 [= I-3131], MM5578 [= I-3133], MM7688 [= I-539]

*Damesites semicostatus* Matsumoto: MM5585 [= I-3105], MM5586 [= I-1416] (missing), MM5587 [= I-1474], MM5588 [= I-1475], MM5589 [= I-1476]

*Damesites sugata* (Forbes): MM5593 [= I-1471], MM5594 [= I-1472], MM5595 [= I-1467], MM5596 [= I-1468], MM5597 [= I-2593](missing), MM5598 [= I-2588], MM5599 [= I-2585], MM5600 [= I-2590], MM5601 [= I-2589], MM5602 [= I-2578](missing), MM5603 [= I-2582](missing), MM7631 [= I-358a], MM7632 [= I-359a-c], MM7633 [= I-360]

*Hauericeras* (*Gardeniceras*) *angustum* Yabe: MM5606 [= I-258], MM5607 [= I-267], MM5608 [= I-264], MM5609 [= I-554], MM5610 [= I-2595], MM5611 [= I-2596](missing), MM5612 [= I-2597], MM5613 [= I-2598], MM5614 [= I-2599], MM5615 [= I-2600], MM5616 [= I-2601], MM5617 [= I-3134], MM5618 [= I-3135], MM5619 [= I-3136], MM5620 [= I-3137], MM5621 [= I-3139], MM7562 [= I-256], MM7563 [= I-257], MM7564 [= I-263], MM7565 [= I-266], MM7566 [= I-265], MM7567 [= I-268], MM7568 [= I-269], MM7705 [= I-555], MM7706 [= I-556], MM9128 [= I-2594]

Matsumoto, T. and Obata, I. (1963): A monograph of the Baculitidae from Japan. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.13, no.1, pp.1-116, pls. 1-27.

MM5671. [= I-3158] *Sciponoceras* (?) sp., p.12, pl.3, fig.3a-d. text-fig.4,60.

MM5672. [= I-3160a] *Sciponoceras orientale* Matsumoto and Obata, p.18, pl.6, fig.1a-d, text-figs.42,45. Holotype.

MM5673. [= I-3160b-d] *Sciponoceras orientale* Matsumoto and Obata, p.18, text-figs.36,39,46. Paratype.

MM5676. [= I-3584] *Baculites uedae* Matsumoto and Obata, p.40, pl.20, fig.7a-d, text-figs.92,124a,b. Paratype.

MM7603. [= I-325] *Baculites yokoyamai* Tokunaga and Shimizu, p.30, pl.10, fig.4a-d, text-figs.78a,83b.

MM7604. [= I-326] *Baculites capensis* Woods, p.47, pl.14, fig.2a-d, text-figs.95,151.

MM7715. [= I-574] *Baculites regina* Matsumoto and Obata, p.85, pl.22, fig.3a-d, text-fig.207. Paratype.

MM7716a.[= I-575a] *Baculites regina* Matsumoto and Obata, p.85, pl.23, fig.1a-d, text-fig.206. Paratype.

MM7716b.[= I-575b] *Baculites regina* Matsumoto and Obata, p.85, pl.24, fig.1a-d, text-fig.210. Holotype.

MM7716c.[= I-575c] *Baculites regina* Matsumoto and Obata, p.85, pl.22, fig.5. Paratype.

MATSUMOTO

Matsumoto, T. and Obata, I. (1963): continued

- MM7718a. [= I-578a] *Baculites regina* Matsumoto and Obata, p.85, pl.22, fig.6a,b, text-fig.196. Paratype.
- MM7718b. [= I-578b] *Baculites regina* Matsumoto and Obata, p.85, pl.22, fig.4a,b, text-fig.195. Paratype.
- MM7719. [= I-580] *Baculites regina* Matsumoto and Obata, p.85, pl.24, fig. 3a,b. Paratype.
- MM7971a. [= I-654a] *Baculites inornatus* Meek, p.78, pl.26, fig.5a,b, text-figs.169,187.
- MM7971b. [= I-654b] *Baculites inornatus* Meek, p.78, pl.26, fig.6a-c.
- MM7971c. [= I-654c] *Baculites inornatus* Meek, p.78, text-fig.170.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Sciponoceras orientale* Matsumoto and Obata: MM5674 [= I-3344a-d], MM5675 [= I-3159a-e]

*Baculites regina* Matsumoto and Obata: MM7717 [= I-576a-f]

Matsumoto, T., Saito, R. and Fukada, A. (1957): Some acanthoceratids from Hokkaido. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.6, no.1, pp.1-45, pls.1-18.

- MM5655. [= I-3175] *Calycoceras asiaticum* (Jimbo), p.11, pl.2, fig.1a,b.
- MM5656. [= I-3167] *Calycoceras spinosum* (Kossmat), p.13, pl.4, fig.2a,b.
- MM5657. [= I-3168] *Calycoceras orientale* Matsumoto, Saito and Fukada, p.16, pl.5, fig.1a-c. Holotype.
- MM5661. [= I-3179] *Romaniceras* sp., p.22, pl.1, fig.3.
- MM5662. [= I-3178] *Calycoceras* aff. *orientale* Matsumoto, Saito and Fukada, p.24, pl.1, fig.2
- MM5663. [= I-3185] *Romaniceras* (?) *otatumei* Matsumoto, Saito and Fukada, p.25, pl.2, fig.2a,b. Holotype.
- MM5664. [= I-3165] *Acanthoceras* aff. *evolutum* Spath, p.33, pl.14, fig. 2a,b.
- MM5665. [= I-3186] *Euomphaloceras* cf. *euomphalum* (Sharpe), p.34, pl.15, fig.3
- MM7512. [= I-105] *Calycoceras asiaticum* (Jimbo), p.11, pl.1, fig.1a-c. Holotype. [see also Jimbo (1894), Matsumoto (1963)]
- MM7516. [= I-106] *Romaniceras pseudodeverianum* (Jimbo), p.22, pl.8, fig. 3, text-fig.7a-c. Holotype. [see also Jimbo (1894), Matsumoto (1963)]

MATSUMOTO - MINATO

Matsumoto, T., Saito, R. and Fukada, A. (1957): continued

MM7620. [= I-343] *Yubariceras yubarens* Matsumoto, Saito and Fukada, p. 27, pl.8, fig.1a,b, text-fig.9. Holotype.

MM7621. [= I-344] *Romaniceras* cfr. *uchauxiense* Collignon, p.24, pl.9, fig.2, pl.14, fig.1a,b, pl.15, fig.2.

MM7622. [= I-345] *Yubariceras* [*Romaniceras* ?] *japonicum* Matsumoto, Saito and Fukada, p.31, pl.8, fig.2, text-figs.11,12. Holotype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

*Calycoceras orientale* Matsumoto, Saito and Fukada: MM5658 [= I-3171], MM 5659 [= I-3172](missing), MM5660 [= I-3173]

*Euomphaloceras* cf. *euomphalum* (Sharpe): MM5666 [= I-3054]

Matsumoto, T. and Ueda, Y. (1962): The type Himenoura Group. Palaeontological notes. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.12, no.2, pp. 161-177, pls.22-27.

MM5670. [= Cr.1715] *Protexanites* cf. *fukazawai* (Yabe and Shimizu), p.173, pl.27, fig.3.

MM6514. [= I-960] *Inoceramus amakusensis* Nagao and Matsumoto, p.161, text-fig.12. Lectotype.

MM6524. [= I-1013] *Inoceramus japonicus* Nagao and Matsumoto, p.165, pl. 22, fig.1a,b. Lectotype.

MM7480. [= Cr.1714] *Texanites amakusensis* (Yabe), p.172, pl.27, fig.4. Lectotype.

Minato, M. (1944): An occurrence of *Wentzela subtimorica* in northern Tai. *Proc. Imp. Acad. Tokyo*, vol.20, no.2, pp.104-106.

PC9601. *Wentzelella subtimorica* Huang, p.105, text-fig.1.

PC9602. *Wentzelella subtimorica* Huang, p.105, text-fig.2.

PC9603. *Wentzelella subtimorica* Huang, p.105, text-fig.3.

MOJSISOVICS

Mojsisovics, E. (1888): "Über einige japanische Trias-fossilien. *Beitr. Palaont. Osterreich-Ungarns und des Orients*, vol.7, part 2, pp.163-178, pls.1-4.

- MM5001.\* *Daonella Kotoi* Mojsisovics, p.174, pl.2, fig.3. Holotype.
- MM5002.\* *Daonella Sakawana* Mojsisovics, p.174, pl.2, fig.4. Lectotype.
- MM5003.\* *Daonella Sakawana* Mojsisovics, p.174, pl.2, fig.5. Paralectotype.
- MM5008. *Ceratites japonicus* Mojsisovics, p.168, pl.1, fig.1. Syntype. (missing)
- MM5009. *Ceratites japonicus* Mojsisovics, p.168, pl.1, fig.2. Syntype.
- MM5010. *Ceratites Haradai* Mojsisovics, p.169, pl.1, fig.3. Holotype.
- MM5011. *Arpadites* f., p.171, pl.1, fig.4.
- MM5012.\* *Arpadites Sakawanus* Mojsisovics, p.172, pl.1, fig.5. Holotype.
- MM5013. *Ceratites Naumanni* Mojsisovics, p.169, pl.2, fig.1. Holotype.
- MM5014. *Arpadites Gottschei* Mojsisovics, p.172, pl.2, fig.2. Holotype.
- MM5015. *Gymnites Watanabei* Mojsisovics, p.173, pl.3. Holotype.
- MM5016. *Ceratites* (?) *planiplicatus* Mojsisovics, p.170, pl.4. Holotype.
- MM5080.\* *Pseudomonotis ochotica* (Keyserling), p.175, pl.2, fig.7a,b.
- MM5081.\* *Pseudomonotis ochotica* (Keyserling), p.175, pl.2, fig.6.

Only dental modeling casts are preserved in this museum for the specimens with an asterisk. The original specimens are probably in Wien but now missing.

NAGAO

Nagao, T. and Matumoto [Matsumoto], T. (1939): A monograph of the Cretaceous *Inoceramus* of Japan. Part I. *Jour. Fac. Sci. Hokkaido Imp. Univ.*, ser.4, vol.4, nos.3-4, pp.241-299, pls.23-34.

- MM6478. [= I-687] *Inoceramus concentricus* Parkinson var. *nipponicus* Nagao and Matumoto, p.267, pl.24, fig.2. Syntype.
- MM6480. [= I-690] *Inoceramus concentricus* Parkinson var. *costatus* Nagao and Matumoto, p.270, pl.24, fig.1. Lectotype.
- MM6481. [= I-695] *Inoceramus concentricus* Parkinson var. *costatus* Nagao and Matumoto, p.270, pl.24, fig.4. Paralectotype.
- MM6482. [= I-689] *Inoceramus concentricus* Parkinson var. *costatus* Nagao and Matumoto, p.270, pl.24, fig.5. Paralectotype.
- MM6484. [= I-701] *Inoceramus tenuistriatus* Nagao and Matumoto, p.272, pl.24, fig.3. Syntype.
- MM6485. [= I-700] *Inoceramus tenuistriatus* Nagao and Matumoto, p.272, pl.24, fig.8. Syntype.
- MM6486. [= I-715] *Inoceramus teshioensis* Nagao and Matumoto, p.274, pl.24, fig.6. Syntype.
- MM6487. [= I-721] *Inoceramus teshioensis* Nagao and Matumoto, p.274, pl.24, fig.7. Syntype.
- MM6488. [= I-714] *Inoceramus teshioensis* Nagao and Matumoto, p.274, pl.24, fig.9. Syntype.
- MM6489. [= I-709] *Inoceramus teshioensis* Nagao and Matumoto, p.274, pl.26, fig.6. Syntype.
- MM6492. [= I-710] *Inoceramus* sp. indet. (sp. nov.), p.280, pl.28, fig.1.
- MM6493. [= I-793] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl.29, fig.1. Syntype.
- MM6494. [= I-817] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl.29, fig.2. Syntype.
- MM6495. [= I-1369] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl.30, fig.2. Syntype.
- MM6497. [= I-842] *Inoceramus uwajimensis* Yehara, p.286, pl.33, fig.3.
- MM6498. [= I-1058] *Inoceramus uwajimensis* Yehara, p.286, pl.33, fig.4. (missing)
- MM6499. [= I-1208] *Inoceramus uwajimensis* Yehara, p.286, pl.33, fig.6.
- MM6502. [= I-927] *Inoceramus uwajimensis* Yehara var. *yeharai* Nagao and Matumoto, p.287, pl.33, fig.2. Syntype.
- MM6503. [= I-1209] *Inoceramus uwajimensis* Yehara var. *yeharai* Nagao and Matumoto, p.287, pl.34, fig.4. Syntype.
- MM6507. [= I-954] *Inoceramus* sp., p.295, pl.30, fig.7.
- MM9045. [= I-816] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl.29, fig.6. Syntype.

NAGAO

Nagao, T. and Matumoto [Matsumoto], T. (1939): continued

- MM9047. [= I-818] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl. 29, fig.6. Syntype.
- MM9052. [= I-830] *Inoceramus hobetsensis* Nagao and Matumoto, p.281, pl. 29, fig.4. Syntype. (missing)
- MM9056. [= I-939a] *Inoceramus uwajimensis* Yehara var. *yeharai* Nagao and Matumoto, p.287, pl.33, fig.5. Syntype.
- MM9057. [= I-948] *Inoceramus* sp., p.295, pl.30, fig.5.
- MM9058. [= I-951] *Inoceramus* sp., p.295, pl.30, fig.6.
- MM9059. [= I-953] *Inoceramus* sp., p.295, pl.30, fig.4.

Nagao, T. and Matumoto [Matsumoto], T. (1940): A monograph of the Cretaceous *Inoceramus* of Japan. Part II. *Jour. Fac. Sci. Hokkaido Imp. Univ.*, ser.4, vol.6, no.1, pp.1-64, pls.1-22.

- MM6508. [= I-750] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.24 [in Nagao and Matumoto (1939)], fig.7. Paralectotype.
- MM6509. [= I-759] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.1. Paralectotype.
- MM6511. [= I-790] *Inoceramus* sp. b, aff. *I. cripisii* Mantell, p.7, pl.2, fig.7.
- MM6513. [= I-961] *Inoceramus amakusensis* Nagao and Matumoto, p.13, pl.4, fig.4. Paralectotype.
- MM6514. [= I-960] *Inoceramus amakusensis* Nagao and Matumoto, p.13, pl.5, fig.1. Lectotype.
- MM6515. [= I-986] *Inoceramus ezoensis* Yokoyama, p.16, pl.11, fig.3.
- MM6518. [= I-985] *Inoceramus ezoensis* var. *vanuxemiformis* Nagao and Matumoto, p.17, pl.11, fig.2. Syntype.
- MM6520. [= I-994] *Inoceramus balticus* var. *kunimiensis* Nagao and Matumoto, p.22, pl.11, fig.4. Syntype.
- MM6521. [= I-1004] *Inoceramus balticus* var. *kunimiensis* Nagao and Matumoto, p.22, text-fig.1. Syntype.
- MM6522. [= I-996] *Inoceramus balticus* var. *kunimiensis* Nagao and Matumoto, p.22, text-fig.2. Syntype.
- MM6523. [= I-1010] *Inoceramus japonicus* Nagao and Matumoto, p.24, pl.8, fig.1. Paralectotype.
- MM6524. [= I-1013] *Inoceramus japonicus* Nagao and Matumoto, p.24, pl.9, fig.1. Lectotype.
- MM6525. [= I-664] *Inoceramus shikotanensis* Nagao and Matumoto, p.23, pl. 11, fig.1. Syntype.

NAGAO

Nagao, T. and Matumoto [Matsumoto], T. (1940): continued

- MM6526. [= I-1051] *Inoceramus naumanni* Yokoyama, p.31, pl.13, fig.4.
- MM6527. [= I-1044] *Inoceramus naumanni* Yokoyama, p.31, pl.15, fig.1.
- MM6528. [= I-1066] *Inoceramus naumanni* Yokoyama, p.31, pl.15, fig.2.
- MM6529. [= I-1031] *Inoceramus naumanni* Yokoyama, p.31, pl.17, fig.6.
- MM6531. [= I-1087] *Inoceramus orientalis* Sokolow, p.37, pl.16, fig.4.
- MM6533. [= I-1073] *Inoceramus orientalis* var. *ambiguus* Nagao and Matumoto, p.37, pl.15, fig.3. Paralectotype.
- MM6534. [= I-1183] *Inoceramus schmidt* Michael, p.41, pl.17, fig.4.
- MM6539. [= I-1184] *Inoceramus schmidt* var. *mirabilis* Nagao and Matumoto, p.42, pl.15, fig.6. Syntype.
- MM6540. [= I-1088] *Inoceramus yokoyamai* Nagao and Matumoto, p.44, pl.16, fig.2. Syntype.
- MM6542. [= I-1111] *Inoceramus sachalinensis* Sokolow, p.45, pl.15, fig.5.
- MM6543. [= I-1103] *Inoceramus sachalinensis* var. *ventriformis* Nagao and Matumoto, p.46, pl.16, fig.3. Syntype.
- MM6552. [= I-1185] *Inoceramus pilvoensis* Sokolow, p.55, pl.22, fig.5.
- MM7537. [= I-154] *Inoceramus sachalinensis* Sokolow, p.45, pl.16, fig.1. [see also Jimbo (1894)]
- MM7538. [= I-156] *Inoceramus orientalis* var. *ambiguus* Nagao and Matumoto, p.37, pl.15, fig.4. Paralectotype. [see also Jimbo (1894)]
- MM7964. [= I-645] *Inoceramus orientalis* Sokolow, p.37, pl.16, fig.5.
- MM9032. [= I-732] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.4. Paralectotype.
- MM9034. [= I-734] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.6. Paralectotype.
- MM9035. [= I-737] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.2. Paralectotype.
- MM9036. [= I-738a] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.5. Paralectotype.
- MM9038. [= I-740] *Inoceramus yabei* Nagao and Matumoto, p.1, pl.1, fig.3. Paralectotype.
- MM9041. [= I-789] *Inoceramus* sp. c aff. *yabei* Nagao and Matumoto, p.10, pl.2, fig.5.

NAKANO - NAKAZAWA

Nakano, M. (1957): On the Cretaceous pennatae trigonians in Japan. *Japan. Jour. Geol. Geogr.*, vol.28, nos.1-3, pp.107-120, pls.8,9.

- MM4848. *Apiotrigonia minor* (Yabe and Nagao), p.110, pl.8, fig.1.
- MM4849. *Apiotrigonia minor* (Yabe and Nagao), p.110, pl.8, fig.2a,b.
- MM4850. *Apiotrigonia minor* (Yabe and Nagao), p.110, pl.8, fig.3.
- MM4851. *Apiotrigonia minor* (Yabe and Nagao), p.110, pl.8, fig.4. (missing)
- MM4852. *Apiotrigonia undulosa* Nakano, p.112, pl.8, fig.8a,b. Holotype.
- MM4854.\* *Apiotrigonia obliquecosta* Nakano, p.113, pl.8, fig.9a,b. Holotype.
- MM4855a. *Apiotrigonia crassoradiata* Nakano, p.113, pl.8, fig.11a,b. Holotype.
- MM4855b.\* *Apiotrigonia crassoradiata* Nakano, p.113, pl.8, fig.12a,b. Paratype.
- MM4856.\* *Apiotrigonia postonodosa* Nakano, p.114, pl.9, fig.12. Paratype.
- MM4857a. *Apiotrigonia jimboi* Nakano, p.115, pl.8, fig.5a,b. Holotype.
- MM4857b. *Apiotrigonia jimboi* Nakano, p.115, pl.8, fig.6. Paratype.
- MM4858. *Apiotrigonia jimboi* Nakano, p.115, pl.8, fig.7. Paratype.
- MM4859. *Heterotrigonia subovalis* (Jimbo), p.118, pl.8, fig.14.
- MM4860. *Heterotrigonia subovalis* (Jimbo), p.118, pl.8, fig.15.
- MM7488. *Heterotrigonia subovalis* (Jimbo), p.118, pl.8, fig.13a,b. Lectotype. [see also Jimbo (1894)]

Only plaster casts are preserved in this museum for the specimens with an asterisk. Other type and illustrated specimens are preserved in the Hiroshima University, Hiroshima, and the Kyushu University, Fukuoka.

Nakazawa, K. (1971): The Lower Triassic Kurotaki fauna in Shikoku and its allied faunas in Japan. *Mem. Fac. Sci. Kyoto Univ.*, ser. Geol. & Min., vol.38, no.1, pp.103-133, pls.23-25.

- MM3950. *Eumorphotis multiformis* (Bittner)(s. l.), p.107, pl.23, fig.8.
- MM3952. "*Streblochondria*" *matsushitai* Nakazawa, p.122, pl.24, fig.11. Paratype.



NONAKA

Nonaka, J. (1944): Some Permian brachiopods from Inner Mongolia. *Japan. Jour. Geol. Geogr.*, vol.19, nos.1-4, pp.83-87, pl.7.

- PB4776. *Productus (Striatifera) compressus* Waagen var. *corniformis* Chao, p.83, pl.7, fig.1.  
PB4777. *Athyris royssii* Leveille, p.83, pl.7, figs.8-10.  
PB4778. *Notothyris nucleolus* (Kutorga), p.83, pl.7, figs.15-17.  
PB4779. *Productus (Marginifera) gobiensis* Chao, p.85, pl.7, figs.2,3.  
PB4780. *Productus* sp., p.85, pl.7, fig.4.  
PB4781. *Strophalosia plicatifera* Chao, p.86, pl.7, figs.5,6.  
PB4782. *Spiriferina multiplicata* Sowerby, p.86, pl.7, fig.11.  
PB4783. *Spiriferella* cf. *saranae* Verneuil mut. *lita* Fredericks, p.86, pl.7, Figs.12,13.  
PB4784. *Spiriferella* cf. *saranae* Verneuil mut. *lita* Fredericks, p.86, pl.7, fig.14.

Obata, I. (1959): Croissance relative sur quelques especes des Desmoceratidae. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.9, no.1, pp.33-45.

The following specimens, which were mentioned but not illustrated in this paper, are preserved in this museum.

*Desmoceras (Pseudouhligella) japonicum mediocompressa* Matsumoto: MM6673a [= I-3020b]

*Desmoceras (Pseudouhligella) ezoanum* Matsumoto: MM6710 [= I-3032]

*Damesites semicostatus* Matsumoto: MM5579 [= I-3104], MM5580 [= I-1473], MM5581 [= I-362], MM5582 [= I-363], MM5583 [= I-361], MM5588 [= I-1475]

*Damesites damesi* (Jimbo): MM6736 [= I-2576], MM6737 [= I-2567], MM6738 [= I-2568], MM6740 [= I-2570], MM6741 [= I-2571], MM6743 [= I-2573], MM6744 [= I-2581], MM6748 [= I-2605], MM6753 [= I-2610], MM6763 [= I-2574]

*Damesites sugata* (Forbes): MM5590 [= I-3119], MM5591 [= I-1470], MM5592 [= I-1469], MM5597 [= I-2593](missing), MM5601 [= I-2589], MM5603 [= I-2582](missing)

*Desmophyllites diphylloides* (Forbes): MM5552 [= I-3117], MM5553 [= I-3118], MM5554 [= I-1488], MM5556 [= I-1478], MM5574 [= I-3114], MM5578 [= I-3133]

*Hauericeras (Gardeniceras) angustum* Yabe: MM5604 [= I-3852], MM5609 [= I-554], MM7573 [= I-257], MM7575 [= I-274]

Obata, I. (1960): Spirale de quelques ammonites. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.9, no.3, pp.151-163, pl.15.

MM5557. [= I-1479] *Desmophyllites diphylloides* (Forbes), p.153, text-fig. 4a.

MM5576. [= I-3130] *Desmophyllites diphylloides* (Forbes), p.153, pl.15, fig.2.

Okubo, M. (1951): Trilobites from Japan. *Chikyu-Kagaku*, no.4, pp.133-139, pl.1.

PA8001. *Thysanopeltis paucispinosa* Okubo, p.137, pl.1, fig.5. Holotype.

PA8002. *Phillipsia ohmorensis* Okubo, p.133, pl.1, fig.1a-c. Holotype. (missing)

PA8003. *Phillipsia ohmorensis* Okubo, p.133, pl.1, fig.2. Paratype.

PA8004. *Phillipsia ohmorensis* Okubo, p.133, pl.1, fig.3. Paratype.

PA8005. *Phillipsia ohmorensis* Okubo, p.133, pl.1, fig.4. Paratype. (missing)

PA8006. *Dechenella minima* Okubo, p.136, pl.1, fig.6. Holotype.

OTUKA - OYAMA

Otuka, Y. (1941): Stratigraphic observations at the eastern hill of Taituan-fu, in the Shansi district, north China. *Jour. Geol. Soc. Japan*, vol.48, no.568, pp.47-50.

- PP0480. *Sphenophyllum oblongifolium* (Gerner and Kaulfuss), p.47, text-fig.1.  
PP0483. *Neuropteris* sp., p.47, text-fig.2.  
PB1851. *Chonetes carbonifera* Keyserling, p.48, text-fig.3a.  
PB1852. *Chonetes carbonifera* Keyserling, p.48, text-fig.3b.  
PB1853. *Chonetes carbonifera* Keyserling, p.48, text-fig.3c.  
PB1854. *Chonetes carbonifera* Keyserling, p.48, text-fig.3d.  
PB1855. *Chonetes carbonifera* Keyserling, p.48, text-fig.3e.  
PB1856. *Chonetes carbonifera* Keyserling, p.48, text-fig.3f. (missing)

Oyama, T. (1954): On the fossil flora of the Cycadophyta from Samenoura, Ojika peninsula, Miyagi Prefecture in Japan. *Bull. Fac. Lib. Arts, Ibaraki Univ., Nat. Sci.*, no.4, pp.97-113, pls.1-5.

- MP4861a. *Ptilophyllum pecten* (Phillips) Morris, p.104, pl.1, fig.1a,c.  
MP4861b. *Pterophyllum* n. sp. a, p.104, pl.1, fig.1b.  
MP4862. *Pterophyllum* n. sp. b, p.105, pl.2, fig.2.  
MP4863. *Nilssonina* cfr. *sinensis* Yabe and Oishi, p.105, pl.3, fig.3.  
MP4864. *Nilssonina* cfr. *orientalis* Heer, p.105, pl.4, fig.4a.  
MP4865. Cfr. *Zamites megaphyllum* (Phillips), p.105, pl.4, fig.5.  
MP4866. *Zamites Yabei* Oishi, p.106, pl.4, fig.4b.  
MP4867. *Zamites Yabei* Oishi, p.106, pl.5, fig.7.  
MP4868. *Glossozamites* cfr. *Hoheneggeri* (Schenk), p.106, pl.5, fig.8.  
MP4869. *Ctenis* cfr. *Uwatokoi* Toyama and Oishi, p.106, pl.5, fig.9.  
MP4870. *Taeniopteris* sp., p.107, pl.5, fig.10.

OZAWA

Ozawa, Y. (1922): Preliminary note on the classification of the family Fusulinidae. *Jour. Geol. Soc. Tokyo*, vol.29, pp.357-374, pl.4.

PF9400. *Verbeekina douvillei* (Deprat), p.363, pl.4, fig.1.

PF9401. *Yabeina hayasakai* Ozawa, p.369, pl.4, fig.2. Holotype.

PF9402. *Neoschwagerina craticulifera* var. *spherioidea* Ozawa, pl.4, fig.4. Holotype.

Ozawa, Y. (1923): On some species of Fusulina from Honan, China. *Japan. Jour. Geol. Geogr.*, vol.2, no.2, pp.35-39, pl.5.

PF9403. *Fusulina (Schellwienia) prisca* var. *chinensis* Ozawa, p.36, pl.5, fig.2a,b. Syntypes.

PF9404. *Fusulina (Schellwienia) watanabei* Ozawa, p.38, pl.5, fig.1a. Syntype.

PF9405. *Fusulina (Schellwienia) watanabei* Ozawa, p.38, pl.5, fig.1b. Syntype.

Other illustrated specimens are not registered and now missing.

Ozawa, Y. (1925a): On the classification of Fusulinidae. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.45, art.4, pp.1-26, pls.1-4.

PF9406. *Fusulinella biconica* (Hayasaka), p.11, pl.1, fig.6.

PF9407. *Verbeekina claudiae* (Deprat), p.16, pl.2, fig.1.

PF9408. *Verbeekina claudiae* (Deprat), p.16, pl.2, fig.2.

PF9409. *Neoschwagerina douvillei* Ozawa, p.23, pl.3, fig.6.

PF9410. *Neoschwagerina megaspaerica* Deprat, p.23, pl.3, fig.7.

PF9411. *Neoschwagerina (Yabeina) shiraiwensis* Ozawa, p.23, pl.3, fig.8. Syntype.

PF9412. Species similar to *Neoschwagerina (Yabeina) shiraiwensis* Ozawa, p.23, pl.4, fig.2.

Other type and illustrated specimens are not registered and now missing.

Ozawa, Y. (1925b): Paleontological and stratigraphical studies on the Permo-Carboniferous limestone of Nagato. Part II. Paleontology. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.45, art.6, pp.1-90, pls.1-14.

PF9400. *Verbeekina verbeeki* (Geinitz), p.48, pl.10, fig.6.

OZAWA

Ozawa, Y. (1925b): continued

- PF9401. *Neoschwagerina (Yabeina) hayasakai* Ozawa, p.61, pl.10, fig.5. Holotype. [see also Ozawa (1922)]
- PF9402. *Neoschwagerina craticulifera* Schwager, p.54, pl.11, fig.4. [see also Ozawa (1922)]
- PF9406. *Fusulinella biconica* (Hayasaka), p.18, pl.3, fig.3. [see also Ozawa (1925a)]
- PF9407. *Verbeekina claudiae* Deprat, p.52, pl.11, fig.9. [see also Ozawa (1925a)]
- PF9408. *Verbeekina claudiae* Deprat, p.52, pl.11, figs.10,11. [see also Ozawa (1925a)]
- PF9410. *Neoschwagerina megasphaerica* Deprat, p.58, pl.11, fig.8. [see also Ozawa (1925a)]
- PF9411. *Yabeina shiraiwensis* Ozawa, p.63, pl.10, fig.2. Syntype. [see also Ozawa (1925a)]
- PF9412a. *Yabeina shiraiwensis* Ozawa, p.63, pl.2, fig.5c. Syntype. [see also Ozawa (1925a)]
- PF9412b. *Glomospira* cf. *pusilla* (Geinitz), p.8, pl.2, fig.5a.
- PF9412c. *Lagena* sp., p.12, pl.2, fig.5b.
- PP9414a. *Mizzia velebitana* Schubert, p.5, pl.2, fig.6b.
- PF9414b. *Glomospira* cf. *gordialis* (Jones and Parker), p.7, pl.2, fig.6c.
- PF9414c. *Tetrataxis conica* Ehrenb. var., p.10, pl.2, fig.6a.
- PF9415. *Bigenerina sumatrana* Volz., p.11, pl.2, fig.3.
- PF9416. *Fusulinella biconica* (Hayasaka), p.18, pl.3, fig.2.
- PF9417. *Fusulinella biconica* (Hayasaka), p.18, pl.3, fig.4.
- PF9418. *Staffella milleri* Ozawa, p.19, pl.2, fig.9. Syntype.
- PF9419a. *Staffella yobarensis* Ozawa, p.20, pl.3, fig.1b. Syntype.
- PF9419b. *Schellwienia lepida* Deprat, p.46, pl.3, fig.1a.
- PF9420a. *Staffella yobarensis*
- PF9420b. *Schellwienia yobarensis* Ozawa, p.27, pl.7, fig.7. Syntype.
- PF9420c. *Schellwienia yobarensis* Ozawa, p.27, pl.7, fig.8. Syntype.
- PF9421a. *Schellwienia* cf. *kattaensis* Schwager, p.21, pl.8, fig.6b.
- PF9421b. *Schellwienia satoi* Ozawa, p.44, pl.8, fig.6a. Syntype.
- PF9422. *Schellwienia krafftii* Schellwien, p.25, pl.6, fig.7.
- PF9423. *Schellwienia krotowi* Schellwien, p.27, pl.7, fig.5.
- PF9424. *Schellwienia krotowi* Schellwien, p.27, pl.7, fig.6.
- PF9425. *Schellwienia lutugini* Schellwien, p.28, pl.6, fig.4.

OZAWA

Ozawa, Y. (1925b): continued

- PF9426. *Schellwienia granum-avenae* Roemer, p.29, pl.6, fig.6.
- PF9427. *Schellwienia edoensis* Ozawa, p.30, pl.6, fig.2. Syntype.
- PF9428. *Schellwienia edoensis* Ozawa, p.30, pl.6, fig.3. Syntype.
- PF9429. *Schellwienia ambigua* Deprat, p.31, pl.4, fig.8.
- PF9430. *Schellwienia kaerimizensis* Ozawa, p.31, pl.4, fig.7, pl.6, fig.5. Syntype.
- PF9431. *Schellwienia gigantea* Deprat, p.32, pl.4, fig.9.
- PF9432. *Schellwienia deprati* Ozawa, p.34, pl.5, fig.6. Syntype.
- PF9433. *Schellwienia deprati* Ozawa, p.34, pl.5, fig.7. Syntype.
- PF9434. *Schellwienia richthofeni* Schwager, p.35, pl.5, fig.1.
- PF9435a. *Schellwienia crassiseptata* Deprat, p.35, pl.5, fig.10, pl.6, fig.8a'.
- PF9435b. *Schellwienia crassiseptata* Deprat, p.35, pl.5, fig.11, pl.6, fig.8a.
- PF9436. *Schellwienia incisa* Schellwien, p.37, pl.5, fig.8.
- PF9437. *Schellwienia incisa* Schellwien, p.37, pl.5, fig.9.
- PF9438. *Schellwienia prisca* (Ehrenberg), c. Müller, p.38, pl.5, fig.4.
- PF9439. *Schellwienia* cf. *prisca* var. *parvula* Schellwien, p.39, pl.5, fig.3.
- PF9440. *Schellwienia haydeni* Ozawa, p.41, pl.9, fig.8. Syntype.
- PF9441. *Schellwienia haydeni* Ozawa, p.41, pl.9, fig.9a. Syntype.
- PF9442. *Schellwienia montipara* (Ehrenberg) Müller, p.40, pl.9, fig.1.
- PF9443a. *Schellwienia subobsoleta* Ozawa, p.41, pl.9, fig.2. Syntype.
- PF9443b. *Schellwienia subobsoleta* Ozawa, p.41, pl.9, fig.5. Syntype.
- PF9444. *Schellwienia subobsoleta* Ozawa, p.41, pl.9, fig.6. Syntype.
- PF9445. *Schellwienia subobsoleta* Ozawa, p.41, pl.9, fig.7. Syntype.
- PF9446a. *Schellwienia ominensis* Ozawa, p.42, pl.4, fig.3. Syntypes.
- PF9446b. *Schellwienia ominensis* Ozawa, p.42, pl.4, fig.4. Syntypes.
- PF9446c. *Schellwienia suzukii* Ozawa, p.43, pl.4, fig.2. Syntype.
- PF9447. *Schellwienia satoi* Ozawa, p.44, pl.8, fig.8. Syntype.
- PF9448. *Schellwienia oblonga* Ozawa, p.45, pl.8, fig.7. Syntype.
- PF9449. *Schellwienia* n. sp., p.46, pl.9, fig.11.
- PF9450. *Schwagerina muongthensis* (Deprat), p.47, pl.8, fig.2.
- PF9451. *Verbeekina verbeeki* (Deprat), p.48, pl.10, fig.7.
- PF9452. *Neoschwagerina douvillei* Ozawa, p.55, pl.11, fig.5.

OZAWA

Ozawa, Y. (1925b): continued

PF9453. *Yabeina shiraiwensis* Ozawa, p.63, pl.10, fig.1.

Other type and illustrated specimens are not registered and now missing.

Ozawa, Y. (1925c): A brief critical revision of the Fusulina-species recently described, with additional studies on Japanese Fusulinae.

*Jour. Geol. Soc. Tokyo*, vol.32, no.380, pp.19-27, pls.9,10.

PF9413. *Verbeekina sliciae* (Deprat), p.26, pl.9, fig.1.

Other illustrated specimens are not registered and now missing.

Ozawa, Y. (1927a): Stratigraphical studies of the Fusulina limestone of Akasaka, Province of Mino. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.2, part 3, pp.121-164, pls.34-45.

PF9454a. *Neoschwagerina craticulifera* (Schwager), p.154, pl.40, fig.5.

PF9454b. *Neoschwagerina craticulifera* (Schwager), p.154, pl.40, fig.6.

PF9455. *Neoschwagerina katoi* Ozawa, p.159, pl.43, fig.6. Syntype.

PF9456. *Neoschwagerina globosa* Yabe, p.159, pl.42, fig.1.

PF9457a. *Neoschwagerina margaritae* Deprat, p.158, pl.41, fig.10.

PF9457b. *Neoschwagerina margaritae* Deprat, p.158, pl.42, fig.5.

PF9458. *Neoschwagerina katoi* Ozawa, p.159, pl.43, fig.3. Syntype.

PF9459. *Schellwienia granum-avenae* Roemer, p.143, pl.35, fig.1.

PF9460. *Schellwienia granum-avenae* Roemer, p.143, pl.35, fig.2.

PF9461. *Neoschwagerina craticulifera* (Schwager), p.154, pl.40, fig.3.

PF9462. *Neoschwagerina craticulifera* (Schwager), p.154, pl.40, fig.10.

PF9463. *Neoschwagerina katoi* Ozawa, p.159, pl.43, fig.5. Syntype.

PF9464. *Neoschwagerina globosa* Yabe, p.159, pl.42, fig.4.

Other type and illustrated specimens are not registered and now missing.

Ozawa, Y. (1927b): Studies on the Akasaka limestone, Part 1 and 2. *Jour. Geogr.*, vol.39, nos.460-461, pp.1-13,13-24. [in Japanese]

PF9454. *Neoschwagerina craticulifera* Schwager, p.10, text-fig.2. [see also Ozawa (1927a)]

OZAWA

Ozawa, Y. (1927b): continued

- PF9455. *Neoschwagerina katoi* Ozawa, p.16, text-fig.5. Syntype. [see also Ozawa (1927a)]
- PF9456. *Neoschwagerina globosa* Yabe, p.16, text-fig.6. [see also Ozawa (1927a)]
- PF9457. *Neoschwagerina margaritae* Deprat, p.16, fig.7. [see also Ozawa (1927a)]
- PF9458. *Neoschwagerina katoi* Ozawa, p.16, text-fig.8. Syntype. [see also Ozawa (1927a)]

Other illustrated specimens are not registered and now missing.

Ozawa, Y. (1927c): Some Carboniferous fossils collected in Manchuria and Korea. *Japan. Jour. Geol. Geogr.*, vol.5, no.3, pp.77-93, pl.7.

- PF1255. *Fusulinella deprati* Beede et Kniker, p.82, pl.7, fig.1.
- PF1256. *Fusulinella deprati* Beede et Kniker, p.82, pl.7, figs.2-4.
- PF1257a. *Schellwienia gracilis* Ozawa, p.83, pl.7, fig.5. Syntype.
- PF1257b. *Schellwienia gracilis* Ozawa, p.83, pl.7, fig.6. Syntype.
- PB1258. *Rhipidomella cora* d'Orbigny, p.84, pl.7, fig.27.
- PB1259. *Rhipidomella cora* d'Orbigny, p.84, pl.7, fig.30.
- PB1260. *Schizophoria* cfr. *juresanensis* Tschernyshev, p.85, pl.7, figs. 24-26.
- PB1261. *Productus genuinus* (Kutorga) var., p.86, pl.7, figs.7-9.
- PB1262. *Productus genuinus* (Kutorga) var., p.86, pl.7, fig.10.
- PB1263. *Spirifer wymmei* Waagen, p.87, pl.7, figs.11-13.
- PB1264. *Martinia semiplana* Waagen, p.87, pl.7, figs.18,19.
- PB1265. *Spiriferina koreanica* Ozawa, p.89, pl.7, figs.15-17. Holotype.
- PB1266. *Retzia (Hustedia) radialis* Phillips, p.90, pl.7, figs.21,22.
- PB1267. *Retzia (Hustedia) radialis* Phillips, p.90, pl.7, fig.23.
- PM1268. *Aviculopecten elegantulus* Stuckenbergh, p.92, pl.7, fig.14.
- PA1269. *Phillipsia kansuensis* v. Loczy, p.92, pl.7, figs.28,29.

Other illustrated specimens are not registered and now missing.



SAEKI

Saeki, S. (1925): On some new species of Jurassic Trigonia from Province of Tamba, Japan. *Jour. Geol. Soc. Tokyo*, vol.32, pp.35-36.

MM5026. *Trigonia hegiensis* Saeki, p.35, pl.12, figs.1,2. Lectotype.

MM5027. *Trigonia hegiensis* Saeki, p.35, pl.12, fig.3. Paralectotype.

MM5028. *Trigonia yeharai* Saeki, p.36, pl.12, figs.4,5. Holotype.

SAITO

Saito, K. (1933): The occurrence of *Protolenus* in the Cambrian rocks of north Korea. *Japan. Jour. Geol. Geogr.*, vol.10, nos.3-4, pp.145-151, figs.1-5.

- PA0427. *Protolenus coreanicus* Saito, p.148, text-fig.1,1a. Holotype.
- PA0428. *Protolenus coreanicus* Saito, p.148, text-fig.2. Paratype.
- PA0429. *Protolenus coreanicus* Saito, p.148, text-fig.3. Paratype.
- PA0430. *Protolenus coreanicus* Saito, p.148, text-fig.4. Paratype.
- PA0431. *Protolenus coreanicus* Saito, p.148, text-fig.5,5a. Paratype.

Saito, K. (1934): Older Cambrian Trilobita and Conchostraca from north-western Korea. *Japan. Jour. Geol. Geogr.*, vol.11, nos.3-4, pp.211-237, pls.25-27.

- PA0445. *Agnostus chinensis* Dames, p.217, pl.25, fig.9. (missing)
- PA0446. *Agnostus chinensis* Dames, p.217, pl.25, fig.10.
- PA0447. *Agnostus chinensis* Dames, p.217, pl.25, fig.11.
- PA0448. *Eodiscus fusifrons* Saito, p.218, pl.25, fig.12. Holotype.
- PA0449. *Eodiscus fusifrons* Saito, p.218, pl.25, fig.13. Paratype.
- PA0450. *Eodiscus fusifrons* Saito, p.218, pl.25, figs.14,15. Paratype.
- PA0451. *Eodiscus fusifrons* Saito, p.218, pl.25, fig.16. Paratype.
- PA0452. *Eodiscus spiniger* Saito, p.218, pl.25, fig.1. Paratype. (missing)
- PA0453. *Eodiscus spiniger* Saito, p.218, pl.25, fig.2. Paratype.
- PA0454. *Eodiscus spiniger* Saito, p.218, pl.25, figs.3,4. Holotype.
- PA0455. *Eodiscus spiniger* Saito, p.218, pl.25, fig.5. Paratype. (missing)
- PA0456. *Eodiscus spiniger* Saito, p.218, pl.25, fig.6. Paratype. (missing)
- PA0457. *Eodiscus spiniger* Saito, p.218, pl.25, fig.7. Paratype.
- PA0458. *Eodiscus spiniger* Saito, p.218, pl.25, fig.8. Paratype.
- PA0459. *Redlichia chinensis* Walcott, p.220, pl.26, fig.1.
- PA0460. *Redlichia chinensis* Walcott, p.220, pl.26, fig.2.
- PA0461. *Redlichia chinensis* Walcott, p.220, pl.26, fig.3.
- PA0462. *Redlichia chinensis* Walcott, p.220, pl.26, fig.4.
- PA0463. *Redlichia chinensis* Walcott, p.220, pl.26, fig.5.
- PA0464. *Redlichia chinensis* Walcott, p.220, pl.26, fig.6.
- PA0465. *Redlichia chinensis* Walcott, p.220, pl.26, fig.7.
- PA0466. *Redlichia chinensis* Walcott, p.220, pl.26, fig.9.

SAITO

Saito, K. (1934): continued

- PA0467. *Redlichia chinensis* Walcott, p.220, pl.26, fig.10.
- PA0468. *Redlichia nobilis* Walcott, p.223, pl.26, fig.18, text-fig.2.
- PA0469. *Redlichia coreanica* Saito, p.223, pl.26, fig.11. Paratype.
- PA0470. *Redlichia coreanica* Saito, p.223, pl.26, fig.12. Holotype.
- PA0471. *Redlichia coreanica* Saito, p.223, pl.26, fig.13. Paratype.
- PA0472. *Redlichia coreanica* Saito, p.223, pl.26, fig.14. Paratype.
- PA0473. *Redlichia nakamurai* Saito, p.224, pl.26, fig.15. Holotype.
- PA0474. *Redlichia nakamurai* Saito, p.224, pl.26, fig.16. Paratype. (missing)
- PA0475. *Redlichia nakamurai* Saito, p.224, pl.26, fig.17. Paratype.
- PA0476. *Redlichia* cf. *walcotti* Mansuy, p.225, pl.26, fig.19.
- PA0477. *Redlichia* cf. *walcotti* Mansuy, p.225, pl.26, fig.20.
- PA0478. *Redlichia* cf. *walcotti* Mansuy, p.225, pl.26, fig.21.
- PA0479. *Redlichia* sp., p.226, pl.26, fig.22.
- PA0481. *Protolenus coreanicus* Saito, p.226, pl.27, fig.22.
- PA0482. *Protolenus coreanicus* Saito, p.226, pl.27, fig.23.
- PA0484. *Bonnia orientalis* Saito, p.226, pl.27, figs.10,11,15. Holotype.
- PA0485. *Bonnia orientalis* Saito, p.226, pl.27, fig.12. Paratype. (missing)
- PA0486. *Bonnia orientalis* Saito, p.226, pl.27, figs.13,14. Paratype.
- PA0487. *Bonnia tokunagai* Saito, p.228, pl.27, fig.1. Paratype.
- PA0488. *Bonnia tokunagai* Saito, p.228, pl.27, fig.2. Paratype. (missing)
- PA0489. *Bonnia tokunagai* Saito, p.228, pl.27, fig.3. Paratype.
- PA0490. *Bonnia tokunagai* Saito, p.228, pl.27, fig.4. Holotype.
- PA0491. *Bonnia tokunagai* Saito, p.228, pl.27, figs.5,6. Paratype.
- PA0492. *Bonnia tokunagai* Saito, p.228, pl.27, fig.7. Paratype.
- PA0493. *Bonnia* cf. *tokunagai* Saito, p.229, pl.27, fig.8.
- PA0494. *Bonnia* cf. *tokunagai* Saito, p.229, pl.27, fig.9
- PA0495. *Oryctocephalus orientalis* Saito, p.230, pl.25, fig.17. Holotype.
- PA0496. *Oryctocephalus orientalis* Saito, p.230, pl.25, fig.19. Paratype.
- PA0497. *Oryctocephalus orientalis* Saito, p.230, pl.25, fig.20. Paratype.
- PA0498. *Oryctocephalus orientalis* Saito, p.230, pl.25, fig.21. Paratype.
- PA0499. *Oryctocephalus orientalis* Saito, p.230, pl.25, fig.22. Paratype.
- PA0500. *Oryctocephalus kobayashii* Saito, p.231, pl.25, fig.23. Paratype.

SAITO

Saito, K. (1934): continued

- PA0501. *Oryctocephalus kobayashii* Saito, p.231, pl.25, figs.24,25. Holotype.
- PA0502a. *Oryctocephalus* cf. *reynoldsi* Reed, p.232, pl.27, fig.16.
- PA0502b. *Oryctocephalus* cf. *reynoldsi* Reed, p.232, pl.27, fig.19.
- PA0503. *Oryctocephalus* cf. *reynoldsi* Reed, p.232, pl.27, fig.17.
- PA0504a. *Oryctocephalus* cf. *reynoldsi* Reed, p.232, pl.27, fig.18.
- PA0504b. *Oryctocephalus* cf. *reynoldsi* Reed, p.232, pl.27, fig.20.
- PA0505. *Arthricocephalus* ? *primigenius* Saito, p.232, pl.25, fig.26. Paratype.
- PA0506. *Arthricocephalus* ? *primigenius* Saito, p.232, pl.25, figs.27,28. Holotype.
- PA0507. *Arthricocephalus* ? *primigenius* Saito, p.232, pl.25, fig.29. Paratype.
- PA0508. *Bradoria subacuminata* Saito, p.233, pl.27, figs.25-27. Holotype.
- PA0509. *Aluta obsoleta* Saito, p.233, text-fig.7. Holotype.
- PA0510. *Aluta obsoleta* Saito, p.233, text-fig.8. Paratype.

Saito, K. (1936): Older Cambrian Brachiopoda, Gastropoda, etc. from north-western Korea. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.4, part 3, pp.346-367, pls.1-3.

- PS1425. *Chancelloria exilis* Saito, p.348, pl.2, fig.22. Holotype.
- PS1426. *Chancelloria exilis* Saito, p.348, pl.2, fig.23. Paratype.
- PE1427. Gen. et sp. indef. (cfr. *Gogia*), p.349, pl.2, fig.20. (missing)
- PE1428. Gen. et sp. indef. (cfr. *Gogia*), p.349, pl.2, fig.21. (missing)
- PB1429. *Obolopsis margaritae* Saito, p.350, pl.1, figs.1,12. Holotype.
- PB1430. *Obolopsis margaritae* Saito, p.350, pl.1, fig.2. Paratype. (missing)
- PB1431. *Obolopsis margaritae* Saito, p.350, pl.1, fig.3. Paratype. (missing)
- PB1432. *Obolopsis margaritae* Saito, p.350, pl.1, fig.4. Paratype. (missing)
- PB1433. *Obolopsis margaritae* Saito, p.350, pl.1, fig.5. Paratype. (missing)
- PB1434. *Obolopsis margaritae* Saito, p.350, pl.1, fig.6. Paratype. (missing)
- PB1435. *Obolopsis margaritae* Saito, p.350, pl.1, figs.7,8. Paratype. (missing)

SAITO

Saito, K. (1936): continued

- PB1436. *Obolopsis margaritae* Saito, p.350, pl.1, fig.9. Paratype. (missing)
- PB1437. *Obolopsis margaritae* Saito, p.350, pl.1, fig.10. Paratype. (missing)
- PB1438. *Obolopsis margaritae* Saito, p.350, pl.1, fig.11. Paratype. (missing)
- PB1439. *Obolus* cf. *detritus* Mansuy, p.351, pl.1, fig.14.
- PB1440. *Obolus* cf. *detritus* Mansuy, p.351, pl.1, fig.15.
- PB1441. *Obolus* sp., p.352, pl.1, fig.16.
- PB1442. *Obolus* sp., p.352, pl.1, fig.17.
- PB1443. *Lingulella* sp., p.353, pl.1, fig.13.
- PB1444. *Obolella lunaris* Saito, p.353, pl.2, fig.1. Paratype.
- PB1445. *Obolella lunaris* Saito, p.353, pl.2, fig.2. Holotype.
- PB1446. *Obolella lunaris* Saito, p.353, pl.2, fig.3. Paratype. (missing)
- PB1447. *Obolella lunaris* Saito, p.353, pl.2, fig.4. Paratype.
- PB1448. *Obolella lunaris* Saito, p.353, pl.2, fig.5. Paratype.
- PB1449. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.6. (missing)
- PB1450. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.7. (missing)
- PB1451. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.8. (missing)
- PB1452. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.9. (missing)
- PB1453. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.10. (missing)
- PB1454. *Botsfordia granulata* (Redlich), p.354, pl.2, fig.11. (missing)
- PB1455. *Micromitra (Iphidella)* sp., p.355, pl.1, figs.18,19. (missing)
- PB1456. *Micromitra (Iphidella)* sp., p.355, pl.1, figs.20,21.
- PB1457. *Acrotreta coreanica* Saito, p.356, pl.2, fig.12. Paratype. (missing)
- PB1458. *Acrotreta coreanica* Saito, p.356, pl.2, fig.13. Paratype.
- PB1459. *Acrotreta coreanica* Saito, p.356, pl.2, fig.14. Holotype. (missing)
- PB1460. *Acrotreta coreanica* Saito, p.356, pl.2, fig.15. Paratype. (missing)
- PB1461. *Acrotreta coreanica* Saito, p.356, pl.2, fig.16. Paratype. (missing)
- PB1462. *Acrotreta coreanica* Saito, p.356, pl.2, fig.17. Paratype. (missing)
- PB1463. *Acrotreta coreanica* Saito, p.356, pl.2, fig.18. Paratype.

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Saito, K. (1936) : continued

- PB1464. *Acrotreta coreanica* Saito, p.356, pl.2, fig.19. Paratype. (missing)
- PB1465. Billingsellidae, gen. et sp. indef., p.357, pl.1, fig.22.
- PB1466. *Eoorthis* ? sp., p.358, pl.1, fig.23.
- PB1467. *Eoorthis* ? sp., p.358, pl.1, fig.24.
- PM1468. *Helcionella acuticosta pacifica* Saito, p.358, pl.3, figs.1-3. Holotype.
- PM1469. *Helcionella acuticosta pacifica* Saito, p.358, pl.3, fig.4. Paratype.
- PM1470. *Helcionella acuticosta pacifica* Saito, p.358, pl.3, fig.5. Paratype. (missing)
- PM1471. *Scenella clotho* Walcott, p.359, pl.3, fig.18. (missing)
- PM1472. *Scenella clotho* Walcott, p.359, pl.3, fig.19. (missing)
- PM1473. *Coreospira rugosa* Saito, p.360, pl.3, figs.6,7. Holotype.
- PM1474. *Coreospira rugosa* Saito, p.360, pl.3, fig.8. Paratype.
- PM1475. *Coreospira rugosa* Saito, p.360, pl.3, figs.9,10. Paratype.
- PM1476. *Coreospira rugosa* Saito, p.360, pl.3, figs.11,12. Paratype.
- PM1477. *Hyolithus kotoi* Saito, p.361, pl.3, figs.20-22. Holotype.
- PM1478. *Hyolithus kotoi* Saito, p.361, pl.3, fig.23. Paratype.
- PM1479. *Hyolithus globiger* Saito, p.361, pl.3, fig.13. Paratype.
- PM1480. *Hyolithus globiger* Saito, p.361, pl.3, fig.14. Paratype.
- PM1481. *Hyolithus globiger* Saito, p.361, pl.3, fig.15. Paratype.
- PM1482. *Hyolithus globiger* Saito, p.361, pl.3, figs.16,17. Holotype.
- PM1483. *Hyolithus teretapex* Saito, p.362, pl.3, fig.24. Paratype.
- PM1484. *Hyolithus teretapex* Saito, p.362, pl.3, fig.25. Paratype.
- PM1485. *Hyolithus teretapex* Saito, p.362, pl.3, figs.26. Holotype.
- PM1486. *Hyolithus teretapex* Saito, p.362, pl.3, fig.28. Paratype.
- PM1487. *Hyolithus teretapex* Saito, p.362, pl.3, fig.29. Paratype.
- PM1488. *Hyolithus teretapex* Saito, p.362, pl.3, fig.30. Paratype.
- PM1489. *Hyolithus teretapex* Saito, p.362, pl.3, fig.31. Paratype.

SAITO

Saito, K. and Sakakura, K. (1936): Description de deux nouvelles especes de trilobite. *Jour. Geol. Soc. Japan*, vol.43, no.509, pp.112-117, pl.8.

- PA1490. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.4. Syntype. (missing)
- PA1491. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.5. Syntype. (missing)
- PA1492. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.6. Syntype. (missing)
- PA1493. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.7. Syntype. (missing)
- PA1494. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.8. Syntype.
- PA1495. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.9. Syntype. (missing)
- PA1496. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.10. Syntype. (missing)
- PA1497. *Proliostracus ? brevicaudatus* Saito et Sakakura, p.113, pl.8, fig.11. Syntype. (missing)
- PA1498. *Pianaspis kodairai* Saito et Sakakura, p.114, pl.8, fig.1. Syntype. (missing)
- PA1499. *Pianaspis kodairai* Saito et Sakakura, p.114, pl.8, fig.2. Syntype. (missing)
- PA1500. *Pianaspis kodairai* Saito et Sakakura, p.114, pl.8, fig.3. Syntype. (missing)

Sato, T. (1954a): Découverte de *Tmetoceras* dans le plateau de Kitakami au nord du Japon. *Japan. Jour. Geol. Geogr.*, vol.24, pp.115-121, pl. 13.

- MM2745. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.2a,b. Holotype.
- MM2746. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.1. Paratype.
- MM2747. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.3. Paratype.
- MM2748. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.4. Paratype.
- MM2749. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.5. Paratype.
- MM2750. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.6. Paratype.
- MM2751. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.7. Paratype.
- MM2752. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.8. Paratype.
- MM2753. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.9. Paratype.
- MM2754. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.10. Paratype.
- MM2755. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.11. Paratype.
- MM2756. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.12. Paratype.
- MM2757. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.13. Paratype.
- MM2758. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.14. Paratype.
- MM2759. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.15. Paratype.
- MM2760. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.16. Paratype.  
(missing)
- MM2761. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.17. Paratype.
- MM2762. *Tmetoceras recticostatum* Sato, p.118, pl.13, fig.18. Paratype.

Sato, T. (1954b): *Hammatoceras* de Kitakami, Japon. *Japan. Jour. Geol. Geogr.*, vol.25, nos.1-2, pp.81-100, pls.7-9.

- MM2763.\* *Hammatoceras kitakamiense* Shimizu, p.84, pl.7, fig.4. Holotype.  
[original specimen in the Tohoku University, Sendai]
- MM2764. *Hammatoceras kitakamiense* Shimizu, p.84, pl.8, fig.3.
- MM2765. *Hammatoceras kitakamiense* Shimizu, p.84, pl.9, fig.4.
- MM2766. *Hammatoceras kitakamiense* Shimizu, p.84, pl.8, fig.5.
- MM2767. *Hammatoceras tuberculata* Sato [error of *tuberculatum*], p.86, pl.8, fig.2. Holotype.
- MM2768. *Hammatoceras tuberculata* Sato [error of *tuberculatum*], p.86, pl.7, fig.1. Paratype.
- MM2769. *Hammatoceras tuberculata* Sato [error of *tuberculatum*], p.86, pl.9, fig.1. Paratype.



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Sato, T. (1954b): continued

- MM2770. *Hammatoceras tuberculata* Sato [error of *tuberculatum*], p.86, pl.9, fig.2. Paratype.
- MM2771. *Hammatoceras subtile* Sato, p.89, pl.8, fig.1. Holotype.
- MM2772. *Hammatoceras subtile* Sato, p.89, pl.7, fig.3. Paratype.
- MM2773. *Hammatoceras subtile* Sato, p.89, pl.8, fig.7. Paratype.
- MM2774. *Hammatoceras subtile* Sato, p.89, pl.8, fig.4. Paratype.
- MM2775. *Hammatoceras subtile* Sato, p.89, pl.9, fig.3. Paratype.
- MM2776. *Hammatoceras hosourense* Sato, p.91, pl.9, fig.6. Holotype.
- MM2777. *Hammatoceras hosourense* Sato, p.91, pl.7, fig.2. Paratype.
- MM2778. *Hammatoceras hosourense* Sato, p.91, pl.7, fig.5. Paratype.
- MM2779. *Hammatoceras hosourense* Sato, p.91, pl.7, fig.6. Paratype.
- MM2780. *Hammatoceras hosourense* Sato, p.91, pl.9, fig.5. Paratype.
- MM7082. *Hammatoceras chibai* (Yokoyama), p.94, pl.8, fig.6. Holotype.  
[see also Yokoyama (1904)]

Sato, T. (1955): Les ammonites recueillies dans le groupe de Kuruma, nord du Japon central. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no. 20, pp.111-118, pl.18.

- MM2781. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.4.
- MM2782. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.5.
- MM2783. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.6.
- MM2784. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.7.
- MM2785. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.8.
- MM2786. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.9.
- MM2787. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.10.
- MM2788. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.11.
- MM2789. *Canavaria* sp. ex gr. *geyeriana* (Haas), p.112, pl.18, fig.12a,b.
- MM2790. Aff. *Deroceras* sp., p.114, pl.18, fig.3a,b.
- MM2791. *Amaltheus* sp., p.114, pl.18, fig.1.
- MM2792. *Amaltheus* sp., p.114, pl.18, fig.2.

Sato, T. (1956a): Corrélation du Jurassique inférieur japonais en basant sur les ammonites fossiles. *Jour. Geol. Soc. Japan*, vol.62, no.732, pp.490-503. [in Japanese with French abstract]

MM2793. *Arietitid* or *Alsatites*, p.495, text-fig.2.

Sato, T. (1956b): Révision chronologique de la série de Karakuwa (Jurassique moyen). *Japan. Jour. Geol. Geogr.*, vol.27, nos.2-4, pp.167-171, pl.13.

MM2794. *Stephanoceras* sp. cf. *St. plicatissimum* (Quenstedt), p.169, pl.13, fig.1, text-fig.3.

MM2795. *Stephanoceras* sp. cf. *St. plicatissimum* (Quenstedt), p.169, pl.13, fig.3, text-fig.4.

MM2796. *Stephanoceras* sp. cf. *St. plicatissimum* (Quenstedt), p.169, text-fig.2.

Sato, T. (1957): Biostratigraphie de la série de Shizukawa (Jurassique inférieur) du Japon septentrional. *Jour. Fac. Sci. Univ. Tokyo*, sec.2, vol.10, part 3, pp.313-350, pls.1,2.

MM3693. *Holcophylloceras* cf. *ultramontanum* Neumayr, p.342, pl.1, fig.1.

MM3694. *Holcophylloceras* sp., p.343, pl.1, fig.2.

MM3695. *Arnioceras yokoyamai* (Matsumoto), p.344, pl.1, fig.3.

MM3696. *Arnioceras yokoyamai* (Matsumoto), p.344, pl.1, fig.4.

MM3697. *Arnioceras yokoyamai* (Matsumoto), p.344, pl.1, fig.5.

MM3698. *Phylloceras* sp., p.343, pl.1, fig.6. (missing)

MM3699. *Hyperlioceras* sp., p.347, pl.2, fig.7.

MM3700. *Hyperlioceras* sp., p.347, pl.2, fig.8.

MM3701. *Harpoceras* s. str. *okadai* (Yokoyama), p.345, pl.2, fig.9.

MM3702. *Harpoceras* s. str. *okadai* (Yokoyama), p.345, pl.2, fig.10.

MM3703. *Holcophylloceras* sp., p.343, pl.2, fig.11.

Sato, T. (1958a): Supplément a la fauna de la série de Shizukawa (Jurassique inférieur) du Japon septentrional. *Japan. Jour. Geol. Geogr.*, vol.29, nos.1-3, pp.153-159, pl.13.

MM3709. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.1.

MM3710. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.2.

Sato, T. (1958a): continued

- MM3711. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.3.
- MM3712. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.4.
- MM3713. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.5.
- MM3714. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.6.
- MM3715. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.7.
- MM3716. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.8.
- MM3717. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.9.
- MM3718. *Hosoureites ikianum* (Yokoyama), p.156, pl.13, fig.10.
- MM3719. *Graphoceras* sp., p.158, pl.13, fig.11.
- MM3720. *Graphoceras* sp., p.158, pl.13, fig.12.
- MM3721. *Graphoceras* sp., p.158, pl.13, fig.13.

Sato, T. (1958b): Présence du Berriasien dans la stratigraphie du plateau de Kitakami (Japon septentrional). *Bull. Soc. géol. France*, ser.6, vol.8, pp.585-599, pl.28.

- MM3722. *Olcostephanus* nov. sp., p.590, pl.28, fig.1.
- MM3723. *Olcostephanus* nov. sp., p.590, pl.28, fig.2.
- MM3724. *Olcostephanus* nov. sp., p.590, pl.28, fig.3.
- MM3725. *Berriasella* nov. sp. ex gr. *B. berthei* Toucas, p.595, pl.28, fig.4.
- MM3726. *Berriasella* nov. sp. ex gr. *B. berthei* Toucas, p.595, pl.28, fig.5.
- MM3727. *Berriasella* nov. sp. ex gr. *B. berthei* Toucas, p.595, pl.28, fig.7.
- MM3728. *Kilianella* juv. sp., p.595, pl.28, fig.8.
- MM3729. *Thurmanniceras isokusensis* (Kobayashi et Fukada)[error of *isokusense*], p.592, pl.28, fig.9.
- MM3730. *Thurmanniceras isokusensis* (Kobayashi et Fukada)[error of *isokusense*], p.592, pl.28, fig.11.
- MM7045. *Thurmanniceras isokusensis* (Kobayashi et Fukada)[error of *isokusense*], p.592, pl.28, fig.12. Holotype. [see also Kobayashi and Fukada (1947c)]

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Sato, T. (1961a): Une ammonite aalénienne de la région de Mae Sot, Thailand. *Japan. Jour. Geol. Geogr.*, vol.32, no.1, pp.137-143, pl.7.

MM3819. *Erycites* sp. juv., p.137, pl.7, fig.4.

Sato, T. (1961b): Les ammonites oxfordiennes de l'île de Mindoro, Philippines. *Japan. Jour. Geol. Geogr.*, vol.32, no.1, pp.141-143, pl.7.

MM3820.\* *Parawedekindia arduennensis* juv. (d'Orbigny), p.142, pl.7, fig.1.

MM3821.\* *Parawedekindia* cf. *arduennensis* (d'Orbigny), p.142, pl.7, fig.2.

MM3822.\* ? *Pseudopeltoceras* sp., p.143, pl.7, fig.3.

Only plaster casts are preserved in this museum. The original specimens are in the Bureau of Mines, Manila.

Sato, T. (1961c): La limite Jurassico-Crétacée dans la stratigraphie japonais. *Japan. Jour. Geol. Geogr.*, vol.32, nos.3-4, pp.533-541, pls. 12,13.

Sato, T. (1961d): Faune berriasienne et tithonique supérieure nouvellement découverte au Japon. *Japan. Jour. Geol. Geogr.*, vol.32, nos.3-4, pp. 543-551, pls.12,13.

MM3732. *Berriasella akiyamae* Sato, p.543, pl.13, figs.4-6. Holotype.

MM3733. *Parakilianella umazawensis* Sato, p.547, pl.12, fig.1, pl.13, fig. 8. Holotype.

MM3734. *Berriasella* sp., p.545, pl.12, figs.3,4.

MM3735. *Kilianella* sp. juv., p.536, pl.13, fig.3.

MM3736. *Thurmanniceras* sp., p.537, pl.13, fig.7.

MM3737. *Spiticeras* (*Kilianiceras* ?) cfr. *eucomphalum* (Steuer), p.550, pl.13, fig.2.

MM3738. *Spiticeras* (*Spiticeras*) cfr. *binodiger* Uhlig, p.548, pl.12, fig. 2, pl.13, fig.1.

Sato, T. (1962): Études biostratigraphiques des ammonites du jurassique du Japon. *Mém. Soc. géol. France*, n. s., vol.41, part 1, (Mem. no.94), pp.1-122, pls.1-10.

MM2799. *Grammoceras* sp. ex gr. *Pseudogrammoceras muelleri* (Denckmann), p.65, pl.3, fig.11.

MM3739. *Oxycerites* sp., p.69, pl.3, fig.2.

Sato, T. (1962): continued

- MM3740.\* *Kranaosphinctes* sp., p.88, pl.3, fig.3. [original specimen in the Tohoku University, Sendai]
- MM3741. *Taramelliceras* nov. sp., p.70, pl.3, fig.4.
- MM3742. *Lilloetia* sp., p.74, pl.1, fig.6, pl.3, fig.5.
- MM3743. *Oppelia* s. s. aff. *subradiata* Sowerby, p.68, pl.3, fig.6.
- MM3744. *Oecotraustes* nov. sp., p.69, pl.1, fig.3, pl.3, fig.7.
- MM3745. *Virgatosphinctes* sp., p.93, pl.3, fig.9.
- MM3746. *Phylloceras* sp., p.63, pl.3, fig.10.
- MM3747. *Vermiceras* sp. cfr. *Vermiceras spiratissimum* Quenstedt, p.65, pl.3, fig.11.
- MM3748. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.4, fig.1.
- MM3749. *Phylloceras* sp., p.63, pl.4, fig.2.
- MM3750. *Ptychophylloceras* nov. sp., p.64, pl.1, fig.2, pl.4, fig.3.
- MM3751. *Holcophylloceras* sp.1, p.63, pl.1, fig.1, pl.4, fig.4.
- MM3752. *Peltoceratoides* sp., p.95, pl.4, fig.5.
- MM3753. *Holcophylloceras* sp.2, p.64, pl.4, fig.6.
- MM3754. *Phylloceras* sp., p.63, pl.4, fig.7.
- MM3755. *Substeueroceras* sp., p.96, pl.4, fig.8.
- MM3756. *Substeueroceras* sp., p.96, pl.4, fig.9.
- MM3757. *Substeueroceras* sp., p.96, pl.4, fig.10.
- MM3759. *Kranaosphinctes* cf. *matsushimai* (Yokoyama), p.86, pl.4, fig.11.
- MM3760.\* *Cadomites* sp., p.72, pl.4, fig.12. [original specimen in the Tohoku University, Sendai]
- MM3761. *Garantiana* sp. (ou *Parkinsonia* sp.), p.74, pl.4, fig.13.
- MM3762. *Leptosphinctes* sp. cf. *Leptosphinctes martiusi* Buckman non d'Orbigny, p.81, pl.2, fig.3, pl.4, fig.14.
- MM3763. *Neuquenicerases yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 11, pl.5, fig.1.
- MM3764. *Neuquenicerases yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 10, pl.5, fig.2.
- MM3765. *Neuquenicerases yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 9, pl.5, fig.3.
- MM3766. *Neuquenicerases* sp., p.76, pl.5, fig.4.
- MM3767. *Neuquenicerases yokoyamai* (Kobayashi and Fukada), p.76, pl.5, fig.5.
- MM3768. *Neuquenicerases yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 14, pl.5, fig.6.

Sato, T. (1962): continued

- MM3769. *Neuquenicerias maedai* Sato, p.78, pl.5, fig.7. Paratype.
- MM3770. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 7, pl.5, fig.8a,b.
- MM3771. *Neuquenicerias maedai* Sato, p.78, pl.2, fig.1, pl.5, fig.9. Holotype.
- MM3772. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 8, pl.6, fig.1a,b.
- MM3773. *Grossouvria laeviradiata* Sato, p.82, pl.6, fig.2. Holotype.
- MM3774. *Grossouvria* cf. *subtilis* (Neumayr), p.82, pl.6, fig.3.
- MM3775. *Grossouvria* cf. *subtilis* (Neumayr), p.82, pl.6, fig.4.
- MM3776. *Neuquenicerias yokoyamai alticostatum* Sato, p.78, pl.1, fig.16, pl.6, fig.6. Holotype.
- MM3777. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.6, fig.7.
- MM3778. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 12, pl.6, fig.9.
- MM3779. *Grossouvria* (?) sp., p.83, pl.6, fig.10.
- MM3780. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.6, fig. 11.
- MM3781. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.1, fig. 13, pl.6, fig.13.
- MM3782. *Neuquenicerias yokoyamai alticostatum* Sato, p.78, pl.6, fig.14. Paratype.
- MM3783. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.6, fig. 15.
- MM3784. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.6, fig. 16.
- MM3785. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.2, fig.5, pl.7, fig.1.
- MM3786. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.7, fig.2.
- MM3787. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.7, fig.4.
- MM3788.\* *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.7, fig.5. [original specimen in the Tohoku University, Sendai]
- MM3789. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.2, fig.6.
- MM3790. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.2, fig.8.
- MM3791. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.2, fig.7.
- MM3792. *Dichotomosphinctes kiritaniensis* Sato, p.88, pl.8, fig.1. Paratype.
- MM3793. *Dichotomosphinctes kiritaniensis* Sato, p.88, pl.8, fig.2. Holotype.

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Sato, T. (1962): continued

- MM3794. *Bomburites* aff. *globuliforme* (Gemmellaro)[error of *globuliformis*], p.73, pl.1, fig.5, pl.8, fig.3.
- MM3795. *Ataxioceras kurisakense* Kobayashi and Fukada, p.90, pl.8, fig.4.
- MM3796. *Ataxioceras kurisakense* Kobayashi and Fukada, p.90, pl.8, fig.5.
- MM3797. *Dichotomosphinctes kiritaniensis* Sato, p.88, pl.8, fig.6. Paratype. (missing)
- MM3798. *Dichotomosphinctes* sp. cf. *D. planus* Siemiradzki ou *D. cracoviensis* Siemiradzki, p.89, pl.8, fig.7.
- MM3799. *Ataxioceras kurisakense* Kobayashi and Fukada, p.90, pl.8, fig.8.
- MM3800. *Virgatosphinctinae* gen. et sp. indet., p.94, pl.8, fig.10.
- MM3801. *Dichotomosphinctes kiritaniensis* Sato, p.88, pl.8, fig.11. Paratype.
- MM3802. *Ataxioceras kurisakense* Kobayashi and Fukada, p.90, pl.2, fig.9, pl.8, fig.12.
- MM3803. *Sphaeroceratinae* gen. et sp. indet., p.72, pl.8, fig.13.
- MM3804. *Sonninia* sp., p.67, pl.9, fig.2.
- MM3805. *Sonninia* sp., p.67, pl.9, fig.3.
- MM3806. *Sonninia* sp., p.67, pl.9, fig.4.
- MM3807. *Corongoceras* sp., p.97, pl.9, figs.5,6.
- MM3808. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.9, fig.7.
- MM3809. *Aulacosphinctes* sp., p.98, pl.10, fig.1.
- MM3810. *Taramelliceras* sp. cf. *T. callicerum* (Oppel), p.71, pl.10, fig.2.
- MM3811. *Aspidoceras* sp., p.96, pl.10, fig.3.
- MM3812. *Pachysphinctes* sp., pl.10, fig.4.
- MM3813. *Euaspidoceras* sp. 1, p.95, pl.10, fig.5.
- MM3814. *Aulacosphinctoides* sp., p.93, pl.10, fig.6. (missing)
- MM3815. *Aulacosphinctes* sp., p.93, pl.10, fig.7.
- MM3816. *Campylites* aff. *delmontanus* Oppel, p.71, pl.1, fig.4, pl.10, fig.8.
- MM3817. *Bigotites* sp., p.80, pl.10, fig.9.
- MM3818. *Bigotites* sp., p.80, pl.2, fig.2, pl.10, fig.11.
- MM4786. *Euaspidoceras* sp. 2, p.95, pl.10, fig.10.
- MM7040. *Poculisphinctes* sp., p.85, pl.10, fig.13. [see also Kobayashi (1935e)]
- MM7042. *Ataxioceras kurisakense* Kobayashi and Fukada, p.90, pl.2, fig.10, pl.8, fig.9. Holotype. [see also Kobayashi and Fukada (1947a)]

Sato, T. (1962): continued

- MM7052. *Klematosphinctes ? hikii* (Yokoyama), p.84, pl.6, fig.5. Syntype. [see also Yokoyama (1904)]
- MM7054. *Kranaosphinctes matsushimai* (Yokoyama), p.86, pl.2, fig.4, pl.7, fig.3. Holotype. [see also Yokoyama (1904)]
- MM7056. *Kranaosphinctes ? kaizaranus* (Yokoyama), p.88, pl.3, fig.8. Holotype. [see also Yokoyama (1904)]
- MM7057. *Neuquenicerias yokoyamai* (Kobayashi and Fukada), p.76, pl.6, fig.12. [see also Yokoyama (1904)]

Sato, T. (1972a): Some Bajocian ammonites from Kitakami, northeast Japan.

*Trans. Proc. Palaeont. Soc. Japan*, N. S., no.85, pp.280-292, pl.34.

- MM4788. *Pelekodites (Spatulites) spatians* (Buckman), p.281, pl.34, fig.1a,b.
- MM4789. *Pelekodites* sp. cf. *P. pelekus* Buckman, p.282, pl.34, fig.2a,b.
- MM4790. *Otoites* sp., p.283, pl.34, fig.10.
- MM4791. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, fig.3.
- MM4792. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, figs.4,9.
- MM4793. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, fig.5.
- MM4794. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, fig.6.
- MM4795. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, fig.7.
- MM4796. *Normannites (Itinsaites)* sp. cf. *N. (I.) itinsae* (McLearn), p.283, pl.34, fig.8.
- MM4797. *Stephanoceras* sp., p.284, pl.34, fig.11.
- MM4798a. *Strigoceras* sp. cf. *S. languidum* (Buckman), p.285, pl.34, fig.12.
- MM4798b. *Strigoceras* sp. cf. *S. languidum* (Buckman), p.285, pl.34, fig.13.
- MM4799. *Normannites (Itinsaites)* sp., p.284, text-fig.1.

Sato, T. (1972b): Ammonites du Toarcien au nord de Saigon (Sud Viet-nam).

*Geol. Palaeont. Southeast Asia*, vol.10, pp.231-242, pls.39,40.

- MM4800. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.1a,b.
- MM4801. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.2a,b.
- MM4802. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.3a,b.



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Sato, T. (1972b): continued

- MM4803. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.4.
- MM4804. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.5.
- MM4805. *Dumortieria lantenoisi* (Mansuy), p.233, pl.39, fig.6a,b.
- MM4806. *Dumortieria* cf. *metita* Buckman, p.235, pl.39, fig.7.
- MM4807. *Dumortieria* cf. *metita* Buckman, p.235, pl.39, fig.8.
- MM4808. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.9a,b. Paratype.
- MM4809. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.10a,b. Paratype.
- MM4810. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.11a,b. Paratype.
- MM4811. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.12a,b. Paratype.
- MM4812. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.13a,b. Paratype.
- MM4813. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.39, fig.14a,b. Paratype.
- MM4814. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.40, fig.1a,b. Paratype.
- MM4815. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.40, fig.3a,b. Holotype.
- MM4816. *Pseudogrammoceras* ? *loducensis* Sato [error of *loducense*], p.236, pl.40, fig.4. Paratype.
- MM4817. *Pseudammatoceras molukkanum* (Cloos), p.238, pl.40, fig.2a,b.
- MM4818. *Pseudammatoceras molukkanum* (Cloos), p.238, pl.40, fig.5.
- MM4819. *Pseudammatoceras molukkanum* (Cloos), p.238, pl.40, fig.6.
- MM4820. *Pseudammatoceras molukkanum* (Cloos), p.238, pl.40, fig.7a,b.
- MM4821. *Pseudammatoceras molukkanum* (Cloos), p.238, pl.40, fig.9a,b.
- MM4822. *Hammatoceras* sp., p.240, pl.40, fig.8.
- MM4823. *Hammatoceras* sp., p.240, pl.40, fig.10.
- MM4824. *Hammatoceras* sp., p.240, pl.40, fig.11.
- MM4825. *Hammatoceras* sp., p.240, pl.40, fig.18a,b.
- MM4826. *Hammatoceras* sp. juv., p.240, pl.40, fig.12a,b.
- MM4827. *Hammatoceras* sp. juv., p.240, pl.40, fig.13a,b.
- MM4828. *Hammatoceras* sp. juv., p.240, pl.40, fig.14.
- MM4829. *Hammatoceras* sp. juv., p.240, pl.40, fig.15.

Sato, T. (1972b): continued

MM4830. *Hammatoceras* sp. juv., p.240, pl.40, fig.16.

MM4831. *Hammatoceras* sp. juv., p.240, pl.40, fig.17a,b.

Sato, T. and Kanie, Y. (1963): *Lilloetia* sp. (ammonite callovienne) de Mitarasi au bassin de Tetori. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.49, p.8.

MM4787. *Lilloetia* sp., p.8, text-fig.1.

Suzuki, A. and Sato, T. (1972): Discovery of Jurassic ammonite from Tori-ashi mountain. *Jour. Geol. Soc. Japan*, vol.78, no.4, pp.213-215.

MM4832.\* *Kranaosphinctes matsushimai* (Yokoyama), p.214, text-fig.2.

Only plaster cast is preserved in this museum.

SUZUKI

Suzuki, K. (1940): Non-marine molluscan faunule of the Siragi Series in south Tyosen. *Japan. Jour. Geol. Geogr.*, vol.17, nos.3-4, pp.215-231, pls.22-24.

- MM6315. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.1a-c. Holotype.
- MM6316. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.2. Paratype.
- MM6317. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.3. Paratype.
- MM6318. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.4a,b. Paratype. (missing)
- MM6319. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.5a,b. Paratype. (missing)
- MM6320. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.6a,b. Paratype.
- MM6321. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.7. Paratype.
- MM6322. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.8a,b. Paratype.
- MM6323. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.9. Paratype. (missing)
- MM6324. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.10. Paratype. (missing)
- MM6325. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.11a,b. Paratype.
- MM6326. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.12. Paratype.
- MM6327. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.13. Paratype. (missing)
- MM6328. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.14. Paratype.
- MM6329. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.15. Paratype.
- MM6330. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.16a-c. Paratype.
- MM6331. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.17a,b. Paratype. (missing)
- MM6332. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.18. Paratype. (missing)
- MM6333. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.19a,b. Paratype. (missing)

SUZUKI

Suzuki, K. (1940): continued

- MM6334. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.20. Paratype. (missing)
- MM6335. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.21. Paratype. (missing)
- MM6336. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.22. Paratype. (missing)
- MM6337. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, pl.22, fig.23. Paratype.
- MM6338. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.2. Paratype.
- MM6339. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.3. Paratype. (missing)
- MM6340. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.4. Paratype.
- MM6341. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.5. Paratype. (missing)
- MM6342. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.6. Paratype.
- MM6343. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.7. Paratype.
- MM6344. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.8. Paratype.
- MM6345. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.9. Paratype.
- MM6346. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.10. Paratype.
- MM6347. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.11. Paratype.
- MM6348. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.12. Paratype.
- MM6349. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.13. Paratype.
- MM6350. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.14. Paratype. (missing)
- MM6351. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.15. Paratype.
- MM6352. *Thiara (Siragimelania) tateiwai* Suzuki, p.224, text-fig.16. Paratype.
- MM6353. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.1a,b. Paratype. (missing)

SUZUKI

Suzuki, K. (1940): continued

- MM6354. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.2a,b. Paratype. (missing)
- MM6355. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.3a-c. Holotype.
- MM6356. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.4. Paratype. (missing)
- MM6357. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.5. Paratype. (missing)
- MM6358. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.6. Paratype. (missing)
- MM6359. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.7a,b. Paratype. (missing)
- MM6360. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.8. Paratype. (missing)
- MM6361. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.9a,b. Paratype. (missing)
- MM6362. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.10. Paratype. (missing)
- MM6363. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.11. Paratype.
- MM6364. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.12a,b. Paratype.
- MM6365. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.13a,b. Paratype. (missing)
- MM6366. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.14a,b. Paratype.
- MM6367. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.15. Paratype. (missing)
- MM6368. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.16a,b. Paratype. (missing)
- MM6369. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.17a,b. Paratype.
- MM6370. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.18. Paratype.
- MM6371. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.19. Paratype. (missing)
- MM6372. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.20. Paratype. (missing)
- MM6373. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.21. Paratype. (missing)

SUZUKI

Suzuki, K. (1940): continued

- MM6374. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.22. Paratype. (missing)
- MM6375. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.23. Paratype. (missing)
- MM6376. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.24. Paratype. (missing)
- MM6377. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.25. Paratype. (missing)
- MM6378. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.26. Paratype. (missing)
- MM6379. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.27. Paratype. (missing)
- MM6380. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.28. Paratype. (missing)
- MM6381. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.29. Paratype. (missing)
- MM6382. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.30. Paratype. (missing)
- MM6383. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.31. Paratype. (missing)
- MM6384. *Thiara (Siragimelania) tateiwai acuticostata* Suzuki, p.226, pl. 23, fig.32a,b. Paratype. (missing)
- MM6385. [= MM7722] *Thiara (Siragimelania) japonica* (Matumoto), p.227, text-fig.17a-c. Holotype. (missing) [see also Matumoto (1938)]
- MM6386. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, pl.24, fig. 1a-c. Paratype.
- MM6387. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, pl.24, fig. 2a,b. Paratype.
- MM6388. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, pl.24, fig. 3a-d. Holotype.
- MM6389. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, pl.24, fig. 4a-c. Paratype.
- MM6390. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, pl.24, fig. 5. Paratype.
- MM6391. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, text-fig.18a-c. Paratype.
- MM6392. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, text-fig.19. Paratype.
- MM6393. *Trigonioides kodairai paucisulcatus* Suzuki, p.229, text-fig.20. Paratype.

SUZUKI - TAKAGI

Suzuki, K. (1941): A new naiad, *Unio* (*Nippononaia*) *ryosekiana*, n. subgen. and n. sp., from the Lower Cretaceous of Japan. *Jour. Geol. Soc. Japan*, vol.48, no.575, pp.410-413.

MM7000. *Unio* (*Nippononaia*) *ryosekiana* Suzuki [error of *ryosekianus*], p. 412, text-figs.1-3. Holotype.

Suzuki, K. (1942): Fresh-water shells from the Cretaceous Sungari Series in central Manchoukuo. *Jour. Fac. Sci. Imp. Univ. Tokyo*, vol.6, parts 4-10, pp.91-105, pl.1.

MM6394. *Viviparus* (*Bellamya*) *tani* (Grabau) *grangeri* (Ping) ?, p.95, pl.1, fig.9.

MM6395. *Lioplax* ? *sungariana* Suzuki, p.96, pl.1, fig.4. Paratype.

MM6396. *Lioplax* ? *sungariana* Suzuki, p.96, pl.1, fig.16. Holotype.

MM6397. *Lioplax* ? *sungariana* Suzuki, p.96, pl.1, fig.17. Paratype.

MM6398. *Lioplax* ? *sungariana* Suzuki, p.96, pl.1, fig.18. Paratype.

MM6399. *Lioplax* ? *sungariana* Suzuki, p.96, pl.1, fig.19. Paratype.

MM6400. *Lanistes* ? *kobayashii* Suzuki, p.98, pl.1, fig.10. Paratype.

MM6401. *Lanistes* ? *kobayashii* Suzuki, p.98, pl.1, figs.11,12. Holotype.

MM6402. *Lanistes* ? *kobayashii* Suzuki, p.98, pl.1, fig.13. Paratype.

MM6403. *Anisus* (*Gyraulus* ?) sp., p.99, pl.1, fig.5.

MM6404. *Lanceolaria sakaii* Suzuki, p.100, pl.1, fig.1. Paratype.

MM6405. *Lanceolaria sakaii* Suzuki, p.100, pl.1, fig.2. Paratype.

MM6406. *Lanceolaria sakaii* Suzuki, p.100, pl.1, fig.3a,b. Holotype.

MM6407. *Sphaerium fulungchuanense* Suzuki, p.103, pl.1, fig.6. Paratype.

MM6408. *Sphaerium fulungchuanense* Suzuki, p.103, pl.1, fig.7. Holotype.

MM6409. *Sphaerium fulungchuanense* Suzuki, p.103, pl.1, fig.8. Paratype.

MM6410. *VolSELLa manchurica* Suzuki, p.104, pl.1, fig.14. Paratype.

MM6411. *VolSELLa manchurica* Suzuki, p.104, pl.1, fig.15. Holotype.

Takagi, Z. (1944): "Discovery of *Pseudomonotis ochotica* at the northwest of Ome-machi and the geology near the locality." *Jour. Geol. Soc. Japan*, vol.51, no.609, pp.196-198. [in Japanese]

MM5069. *Pseudomonotis ochotica* (Keyserling), p.197, text-fig.2.

TAKAI

Takai, F. (1942): An occurrence of *Leptolepis* in the Cretaceous Sungari Series in Manchoukuo. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.6, part 1, pp.129-133.

MV6151. *Leptolepis longicephalus* Takai, p.130, text-fig.1. Holotype.

Takai, F. (1944): A monograph on the lycopterid fishes from the Mesozoic of eastern Asia. *Jour. Fac. Sci. Imp. Univ. Tokyo*, sec.2, vol.6, parts 11-12, pp.207-270, pls.1-9.

MV4210. *Lycoptera davidi* (Sauvage), p.239, pl.5, fig.2. [see also Makiyama (1927)]

MV6151. *Sungarichthys longicephalus* (Takai), p.262, pl.9, fig.5. Holotype. [see also Takai (1942)]

MV6152. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.2.

MV6153. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.3.

MV6154. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.4.

MV6155. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.5.

MV6156. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.6.

MV6157. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.7.

MV6158. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.8.

MV6159. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.9.

MV6160. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.10.

MV6161. *Lycoptera davidi* (Sauvage), p.239, pl.2, fig.11.

MV6162. *Lycoptera davidi* (Sauvage), p.239, pl.3, fig.2.

MV6163. *Lycoptera davidi* (Sauvage), p.239, pl.3, fig.3.

MV6164. *Lycoptera davidi* (Sauvage), p.239, pl.3, fig.4. (missing)

MV6165. *Lycoptera davidi* (Sauvage), p.239, pl.3, fig.5.

MV6166. *Lycoptera davidi* (Sauvage), p.239, pl.4, fig.1.

MV6167. *Lycoptera davidi* (Sauvage), p.239, pl.4, fig.2.

MV6168. *Lycoptera davidi* (Sauvage), p.239, pl.4, fig.3. (missing)

MV6169. *Lycoptera davidi* (Sauvage), p.239, pl.4, fig.4.

MV6170. *Lycoptera davidi* (Sauvage), p.239, pl.4, fig.5.

MV6171. *Lycoptera davidi* (Sauvage), p.239, pl.5, fig.3.

MV6172. *Lycoptera davidi* (Sauvage), p.239, pl.5, fig.4.

MV6173. *Lycoptera davidi* (Sauvage), p.239, pl.5, fig.5.



TAKAI

Takai, F. (1944): continued

- MV6174. *Lycoptera davidi* (Sauvage), p.239, pl.5, fig.6.  
MV6175. *Lycoptera davidi* (Sauvage), p.239, pl.3, fig.1.  
MV6176. *Manchurichthys uwatokoi* Saito, p.260, pl.9, fig.4.  
MV6177. *Lycoptera ferox* Grabau, p.244, pl.6, fig.3.  
MV6178. *Lycoptera ferox* Grabau, p.244, pl.6, fig.4.  
MV6179. *Lycoptera kansuensis* Grabau, p.246, pl.7, figs.4,5.  
MV6180. *Asiatolepis muroii* Takai, p.257, pl.8, fig.17. Holotype.

TAMURA

Tamura, M. (1959a): On Kumatrigonia, a new subgenus of Frenguelliella, and a Tosapeecten from the Carnic Tanoura Formation in Kyushu, Japan.

Mem. Fac. Educ. Kumamoto Univ., vol.7, pp.212-224, pl.2.

- MM3076. *Tosapeecten suzukii* (Kobayashi), p.215, pl.2, fig.7.
- MM3077. *Tosapeecten suzukii* (Kobayashi), p.215, pl.2, fig.8.
- MM3078. *Tosapeecten suzukii* (Kobayashi), p.215, pl.2, fig.9.
- MM3079. *Tosapeecten suzukii* (Kobayashi), p.215, pl.2, fig.10.
- MM3080. *Frenguelliella* (*Kumatrigonia*) *tanourensis* Tamura, p.214, pl.2, fig.1. Holotype.
- MM3081. *Frenguelliella* (*Kumatrigonia*) *tanourensis* Tamura, p.214, pl.2, fig.2. Paratype.
- MM3082. *Frenguelliella* (*Kumatrigonia*) *tanourensis* Tamura, p.214, pl.2, fig.3. Paratype.
- MM3083. *Frenguelliella* (*Kumatrigonia*) *tanourensis* Tamura, p.214, pl.2, fig.4. Paratype.

Tamura, M. (1959b): Trigoniidae, Ostreidae, Bakevelliidae, Pteriidae, Cardiidae and Astartidae from the Upper Jurassic Sakamoto Formation in central Kyushu, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no. 33, pp.23-32, pl.5.

- MM2976. *Astarte sakamotoensis* Tamura, p.29, pl.5, figs.2,3. Holotype.
- MM2977. *Astarte sakamotoensis* Tamura, p.29, pl.5, fig.1. Paratype.
- MM2978. *Astarte defecta* Tamura, p.29, pl.5, fig.4. Holotype.
- MM2979. *Astarte defecta* Tamura, p.29, pl.5, figs.5,6. Paratype.
- MM2980. *Astarte defecta* Tamura, p.29, pl.5, fig.7. Paratype.
- MM2981. *Astarte ogawensis* Kimura, p.29, pl.5, fig.8.
- MM2982. *Astarte ogawensis* Kimura, p.29, pl.5, fig.9.
- MM2983. *Astarte ogawensis* Kimura, p.29, pl.5, fig.10.
- MM2985. *Astarte higoensis* Tamura, p.28, pl.5, figs.11,12. Holotype.
- MM2986. *Astarte* sp., p.30, pl.5, fig.13.
- MM2987. *Astarte* ? sp. aff. *hermanni* Oppel, p.30, pl.5, fig.14.
- MM2988. *Myophorella* (*Haidaia*) *pulex* Tamura, p.25, pl.5, fig.15. Holotype.
- MM2989. *Myophorella* (*Haidaia*) *pulex* Tamura, p.25, pl.5, fig.16. Paratype.
- MM2990. *Myophorella* (*Haidaia*) *pulex* Tamura, p.25, pl.5, fig.17. Paratype.
- MM2991. *Myophorella* (*Haidaia*) *pulex* Tamura, p.25, pl.5, fig.18. Paratype.
- MM2993. *Myophorella* (*Haidaia*) *gracilentia* Kobayashi, p.25, pl.5, fig.19.

TAMURA

Tamura, M. (1959b): continued

- MM2994. *Myophorella* (*Haidaia*) *gracilenta* Kobayashi, p.25, pl.5, fig.20.
- MM2995. *Myophorella* (*Haidaia*) *gracilenta* Kobayashi, p.25, pl.5, fig.21.
- MM2996. *Myophorella* (*Haidaia*) *gracilenta* Kobayashi, p.25, pl.5, fig.22.
- MM2997. *Myophorella* (*Haidaia*) *ohmachii* Tamura, p.26, pl.5, fig.23. Paratype.
- MM2998. *Myophorella* (*Haidaia*) *ohmachii* Tamura, p.26, pl.5, figs.24,25. Holotype.
- MM2999. *Myophorella* (*Haidaia*) *ohmachii* Tamura, p.26, pl.5, fig.26. Paratype.
- MM3000. *Myophorella* (*Haidaia*) *ohmachii* Tamura, p.26. Paratype.
- MM3002. *Myophorella* (*Promyophorella* ?) b sp., p.26, pl.5, fig.28.
- MM3003. *Exogyra kumensis* Tamura, p.27, pl.5, fig.29. Holotype.
- MM3004. *Exogyra kumensis* Tamura, p.27, pl.5, fig.30. Paratype.
- MM3005. *Exogyra kumensis* Tamura, p.27, pl.5, fig.31. Paratype.
- MM3006. *Liostrea* sp., p.27, pl.5, fig.32.
- MM3007. *Protocardia tosensis* Kimura, p.28, pl.5, fig.33.
- MM3008. *Protocardia tosensis* Kimura, p.28, pl.5, figs.34,35.
- MM3009. *Protocardia tosensis* Kimura, p.28, pl.5, fig.36.
- MM3010. *Protocardia tosensis* Kimura, p.28, pl.5, fig.37.
- MM3011. *Gervillella* ? sp., p.27, pl.5, fig.38.
- MM3012a. *Pteroperna* sp., p.28, pl.5, fig.39.
- MM3012b. *Pteroperna* sp., p.28, pl.5, fig.40.
- MM3115. *Myophorella* (*Promyophorella*) a sp., p.26, pl.5, fig.27.

Tamura, M. (1959c): Taxodonta and Isodonta from the Upper Jurassic Sakamoto Formation in central Kyushu, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.34, pp.53-65, pl.6.

- MM3017. *Nuculana* (*Praesaccella*) *erinoensis* (Kimura), p.56, pl.6, figs.3,4.
- MM3018. *Nuculana* (*Praesaccella*) *erinoensis* (Kimura), p.56, pl.6, fig.5.
- MM3019. *Nuculana* (*Praesaccella*) *erinoensis* (Kimura), p.56, pl.6, fig.6.
- MM3020. *Nuculana* (*Praesaccella*) *yatsushiroensis* Tamura, p.57, pl.6, figs.7,8. Holotype.
- MM3021. *Nuculana* (*Praesaccella*) *yatsushiroensis* Tamura, p.57. Paratype.
- MM3022. *Parallelodon inflatus* Tamura, p.53, pl.6, fig.9. Paratype.
- MM3023. *Parallelodon inflatus* Tamura, p.53, pl.6, fig.10. Holotype.

TAMURA

Tamura, M. (1959c): continued

- MM3013. *Grammatodon takiensis* Kimura, p.54, pl.6, fig.1.
- MM3014. *Grammatodon takiensis* Kimura, p.54, pl.6, fig.2.
- MM3024. *Catella (Torinosucatella) kobayashii* Tamura, p.55, pl.6, fig.11. Holotype.
- MM3025. *Catella (Torinosucatella) kobayashii* Tamura, p.55, pl.6, figs. 12,16. Paratype.
- MM3026. *Catella (Torinosucatella) kobayashii* Tamura, p.55, pl.6, fig.13. Paratype.
- MM3027. *Catella (Torinosucatella) kobayashii* Tamura, p.55, pl.6, fig.14. Paratype.
- MM3028. *Catella (Torinosucatella) kobayashii* Tamura, p.55, pl.6, fig.15. Paratype.
- MM3029. *Nuculana (Dacryomya) stenodolichos* Kimura, p.57, pl.6, fig.17.
- MM3030. *Nuculana (Dacryomya) stenodolichos* Kimura, p.57, pl.6, figs.18, 19.
- MM3031. *Variamussium habunokawense* (Kimura), p.60, pl.6, figs.20,22.
- MM3032. *Variamussium habunokawense* (Kimura), p.60, pl.6, fig.21.
- MM3035. *Entolium kimurai* Tamura, p.60, pl.6, fig.23. Paratype.
- MM3036. *Entolium kimurai* Tamura, p.60, pl.6, fig.24. Paratype.
- MM3037. *Entolium kimurai* Tamura, p.60, pl.6, fig.26. Paratype.
- MM3038. *Entolium kimurai* Tamura, p.60, pl.6, fig.27. Paratype.
- MM3039. *Entolium kimurai* Tamura, p.60, pl.6, fig.25. Paratype.
- MM3040. *Entolium kimurai* Tamura, p.60, pl.6, fig.28. Paratype.
- MM3041. *Entolium kimurai* Tamura, p.60, pl.6, fig.29. Holotype.
- MM3042. *Entolium kimurai* Tamura, p.60. Paratype.
- MM3043. *Entolium kimurai* Tamura, p.60. Paratype.
- MM3044. *Entolium kimurai* Tamura, p.60. Paratype.
- MM3045. *Entolium yatsujiense* Kurata and Kimura, p.60, pl.6, fig.30.
- MM3046. *Entolium yatsujiense* Kurata and Kimura, p.60.
- MM3047. *Chlamys (Radulopecten) nagataensis* Kurata and Kimura, p.58, pl.6, figs.31,32.
- MM3048. "*Aequipecten*" *kotsubu* (Kimura), p.58, pl.6, fig.33.
- MM3049. "*Aequipecten*" *kotsubu* (Kimura), p.58, pl.6, fig.34.
- MM3052. *Chlamys (Chlamys) iboibo* Kurata and Kimura, p.57, pl.6, fig.35.
- MM3053. *Chlamys (Chlamys) iboibo* Kurata and Kimura, p.57, pl.6, fig.36.
- MM3055. *Chlamys (Radulopecten) ogawensis* (Kimura), p.58, pl.6, fig.37.

TAMURA

Tamura, M. (1959c): continued

- MM3057. *Chlamys (Chlamys)* sp., p.57, pl.6, fig.38.
- MM3058. *Camptonectes* ? sp., p.59, pl.6, fig.39.
- MM3059. "*Aequipecten*" *vulgaris* Kimura, p.58, pl.6, fig.40.
- MM3060. "*Aequipecten*" *vulgaris* Kimura, p.58, pl.6, fig.41.
- MM3063. *Camptonectes* sp. aff. *browni* Cox, p.59, pl.6, fig.42.
- MM3064. *Limatula reticulata* Tamura, p.62, pl.6, fig.43. Holotype.
- MM3065. *Lima (Ctenoides) tosana* Kurata and Kimura, p.62, pl.6, figs.44, 45.
- MM3066. *Lima (Ctenoides) tosana* Kurata and Kimura, p.62, pl.6, figs.46, 47.
- MM3067. *Lima (Plagiostoma)* sp., p.62, pl.6, fig.48.
- MM3068. *Eopecten* sp., p.59, pl.6, fig.49.
- MM3069. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.50.
- MM3070. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.53.
- MM3071. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.51.
- MM3072. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.54.
- MM3073. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.52.
- MM3074. *Somapecten kamimanensis* Kimura, p.62, pl.6, fig.55.

Tamura, M. (1959d): Some pelecypods from the Upper Jurassic Sakamoto Formation in central Kyushu, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.35, pp.113-120, pl.12.

- MM3087. *Opis (Trigonopsis) torinosuensis* Kimura, p.113, pl.12, fig.11.
- MM3088. *Opis (Trigonopsis) torinosuensis* Kimura, p.113, pl.12, fig.13.
- MM3089. *Opis (Trigonopsis) torinosuensis* Kimura, p.113, pl.12, fig.12.
- MM3091. *Opis (Coelopsis) tanourensis* Tamura, p.114, pl.12, figs.5-7. Holotype.
- MM3092. *Opis (Coelopsis) tanourensis* Tamura, p.114. Paratype.
- MM3093. *Corbula globosa* Tamura, p.114, pl.12, fig.1. Holotype.
- MM3094. *Corbula globosa* Tamura, p.114, pl.12, fig.2. Paratype.
- MM3095. *Corbula globosa* Tamura, p.114, pl.12, fig.3. Paratype.
- MM3096. *Corbula globosa* Tamura, p.114, pl.12, fig.4. Paratype.
- MM3097. *Corbula globosa* Tamura, p.114. Paratype.
- MM3098. *Opis (Trigonopsis) trigonalis* Tamura, p.114, pl.12, fig.14. Paratype.

TAMURA

Tamura, M. (1959d): continued

- MM3099. *Opis (Trigonopis) trigonalis* Tamura, p.114, pl.12, fig.15. Holotype.
- MM3100. *Opis (Trigonopis) trigonalis* Tamura, p.114, pl.12, fig.16. Paratype.
- MM3102. *Lucina tsunoensis* Kimura, p.115, pl.12, fig.21.
- MM3103. *Lucina tsunoensis* Kimura, p.115, pl.12, fig.22.
- MM3104. *Eomiodon kumamotoensis* Tamura, p.115, pl.12, fig.17. Paratype.
- MM3105. *Eomiodon kumamotoensis* Tamura, p.115, pl.12, fig.18. Holotype.
- MM3107. "*Eocallista*" *regularis* Tamura, p.116, pl.12, figs.8-10, text-fig.1. Holotype.
- MM3108. *Anisocardia* sp., p.117, pl.12, fig.19, text-fig.2.
- MM3109. *Anisocardia* sp., p.117, pl.12, fig.20.
- MM3110. *Tancredia rostrata* Tamura, p.117, pl.12, fig.23, text-fig.3. Holotype.
- MM3111. *Tancredia rostrata* Tamura, p.117. Paratype.
- MM3112. *Pleuromya ? punctostriæ* Tamura, p.117, pl.12, fig.29. Paratype.
- MM3113. *Pleuromya ? punctostriæ* Tamura, p.117, pl.12, figs.30,31. Holotype.
- MM3114. *Pleuromya ? punctostriæ* Tamura, p.117, pl.12, fig.32. Paratype.
- MM3119. *Pholadomya ? ashikitensis* Tamura, p.118, pl.12, figs.26,27. Holotype.
- MM3120. *Pholadomya ? ashikitensis* Tamura, p.118. Paratype. (missing)
- MM3121. *Arcomya ?* sp., p.118, pl.12, fig.24.
- MM3122. *Arcomya ?* sp., p.118, pl.12, fig.25.
- MM3123. *Goniomya* sp., p.120, pl.12, fig.28.

Tamura, M. (1959e): Taxodonta and Isodonta from the Jurassic Soma Group in north Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.36, pp. 168-180, pl.19.

- MM3193. *Parallelodon koikensis* Tamura, p.169, pl.19, fig.10. Holotype.
- MM3194. *Parallelodon koikensis* Tamura, p.169, pl.19, fig.9. Paratype.
- MM3195. *Parallelodon koikensis* Tamura, p.169, pl.19, fig.11. Paratype.
- MM3196. *Parallelodon* aff. *inflatus* Tamura, p.172, pl.19, figs.13,14.
- MM3197. *Parallelodon* aff. *inflatus* Tamura, p.172, pl.19, fig.12.
- MM3198. *Parallelodon* aff. *inflatus* Tamura, p.172, pl.19, fig.15.

TAMURA

Tamura, M. (1959e): continued

- MM3199. *Grammatodon takiensis* Kimura, p.172, pl.19, figs.1,2.
- MM3200. *Grammatodon takiensis* Kimura, p.172, pl.19, fig.3.
- MM3201. *Grammatodon (Indogrammatodon) densistriatus* Tamura, p.173. Paratype.
- MM3202. *Grammatodon (Indogrammatodon) densistriatus* Tamura, p.173, pl.19, fig.4. Holotype.
- MM3203. *Grammatodon (Indogrammatodon) densistriatus* Tamura, p.173, pl.19, fig.5. Paratype.
- MM3204. *Grammatodon (Indogrammatodon) densistriatus* Tamura, p.173. Paratype.
- MM3205. *Grammatodon (Indogrammatodon) densistriatus* Tamura, p.173, pl.19, fig.6. Paratype.
- MM3206. *Catella (Torinosucatella) kobayashii* Tamura, p.173, pl.19, fig.7.
- MM3207. *Catella (Torinosucatella) kobayashii* Tamura, p.173, pl.19, fig.8.
- MM3208. *Nuculana (Dacryomya) stenodolichos* Kimura, p.174, pl.19, fig.40.
- MM3209. *Chlamys camptonectoides* Tamura, p.174, pl.19, fig.17. Paratype.
- MM3210. *Chlamys camptonectoides* Tamura, p.174. Paratype.
- MM3211. *Chlamys camptonectoides* Tamura, p.174. Paratype.
- MM3212. *Chlamys camptonectoides* Tamura, p.174, pl.19, fig.16. Holotype.
- MM3213. *Chlamys* sp., p.174, pl.19, fig.30.
- MM3214. *Chlamys* sp., p.174, pl.19, fig.31.
- MM3215. *Chlamys (Radulopecten) ogawensis* (Kimura), p.175, pl.19, fig.23.
- MM3216. *Chlamys (Radulopecten) ogawensis* (Kimura), p.175, pl.19, fig.24.
- MM3217. *Chlamys (Radulopecten) ogawensis* (Kimura), p.175, pl.19, figs. 25,26.
- MM3218. *Camptonectes* sp., p.175, pl.19, fig.28.
- MM3219. "*Aequipecten*" *vulgaris* Kimura, p.175, pl.19, fig.22.
- MM3220. *Eopecten punctus* (Kimura), p.175, pl.19, fig.20.
- MM3221. *Eopecten punctus* (Kimura), p.175, pl.19, figs.19,21.
- MM3222. *Eopecten punctus* (Kimura), p.175, pl.19, fig.18.
- MM3223. *Entolium yatsujiense* Kurata and Kimura, p.176, pl.19, fig.41.
- MM3224. *Entolium kimurai* Tamura, p.176, pl.19, fig.27.
- MM3225. *Somapecten kamimanensis* Kimura, p.176, pl.19, fig.29.
- MM3226. *Lima (Plagiostoma) enormicosta* Tamura, p.177, pl.19, fig.32. Paratype.
- MM3227. *Lima (Plagiostoma) enormicosta* Tamura, p.177, pl.19, fig.33. Paratype.

TAMURA

Tamura, M. (1959e): continued

- MM3228. *Lima (Plagiostoma) enormicosta* Tamura, p.177, pl.19, fig.34. Holotype.
- MM3229. *Lima (Plagiostoma) enormicosta* Tamura, p.177. Paratype.
- MM3230. *Lima (Plagiostoma)* sp., p.177, pl.19, fig.39.
- MM3231. *Ctenostreon proboscideum* (J. Sowerby), p.177, pl.19, fig.38.
- MM3232. *Plicatula dichotomocosta* Tamura, p.178, pl.19, fig.35. Paratype.
- MM3233. *Plicatula dichotomocosta* Tamura, p.178, pl.19, fig.36. Paratype.
- MM3234. *Plicatula dichotomocosta* Tamura, p.178, pl.19, fig.37. Holotype.
- MM3235. *Plicatula dichotomocosta* Tamura, p.178. Paratype.

Tamura, M. (1960a): Upper Jurassic pelecypods from the Torinosu Group in Shikoku, Japan. *Mem. Fac. Educ. Kumamoto Univ.*, vol.8, pp.227-244, pl.2.

- MM3613. *Gervillia takiensis* Tamura, p.233, pl.2, figs.1,2. Holotype.
- MM3614. *Gervillia takiensis* Tamura, p.233, pl.2, fig.3. Paratype.
- MM3615. *Solemya kobayashii* Tamura, p.231, pl.2, figs.4,5. Holotype.
- MM3616. *Solemya kobayashii* Tamura, p.231. Paratype.
- MM3617. *Gervillia tatenosawensis* Tamura, p.233, pl.2, fig.6.
- MM3618. *Brachidontes (Arcomytilus) laitmairensis* (de Loria), p.232, pl.2, fig.7.
- MM3619. *Lima (Plagiostoma) enormicosta* Tamura, p.238, pl.2, fig.8.
- MM3620. *Plicatula yatsuiensis* Tamura, p.237, pl.2, fig.9. Paratype.
- MM3621. *Plicatula yatsuiensis* Tamura, p.237, pl.2, figs.10,11. Holotype.
- MM3622. *Plicatula yatsuiensis* Tamura, p.237, pl.2, fig.12. Paratype.
- MM3623. *Pleuromya punctostriata* Tamura, p.241, pl.2, fig.14.
- MM3624. "*Lucina*" *toishiyamensis* Tamura, p.241, pl.2, fig.15. Holotype.
- MM3625. "*Lucina*" *toishiyamensis* Tamura, p.241, pl.2, fig.16. Paratype.
- MM3626. "*Lucina*" *toishiyamensis* Tamura, p.241, pl.2, fig.17. Paratype.
- MM3627. *Eopecten kurisakensis* Tamura, p.235, pl.2, fig.18. Holotype.
- MM3628. *Pholadomya* cf. *somensis* Tamura, p.242, pl.2, fig.25.
- MM3629. *Liostrea (Catinula)* cf. *stoliczkai* Cox, p.238, pl.2, fig.26.
- MM3630. *Liostrea (Catinula)* cf. *stoliczkai* Cox, p.238, pl.2, fig.27.
- MM7145. *Plicatula* sp. aff. *dichotomocosta* Tamura, p.237, pl.2, fig.13.
- MM7149. *Lopha gregarea* (J. Sowerby), p.239, pl.2, fig.24.
- MM7150. *Lopha* cf. *marshii* J. Sowerby, p.239, pl.2, fig.19.



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Tamura, M. (1960a): continued

- MM7151. *Lopha* cf. *eruca* (Defrance), p.239, pl.2, fig.23.  
MM7152a. *Lopha* cf. *eruca* (Defrance), p.239, pl.2, fig.20.  
MM7152b. *Lopha* cf. *eruca* (Defrance), p.239, pl.2, figs.21,22.

Tamura, M. (1960b): Upper Jurassic Pteriacea from the Soma Group, Fukushima Prefecture, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.37, pp.223-229, pl.26.

- MM3236. *Pteria masatanii* Tamura, p.224, pl.26, figs.19,20. Holotype.  
MM3237. "*Pteria*" sp., p.224, pl.26, fig.21.  
MM3238. *Somapteria koikensis* Tamura, p.225, pl.26, fig.5. Paratype.  
MM3239. *Somapteria koikensis* Tamura, p.225, pl.26, fig.4. Paratype.  
MM3240. *Somapteria koikensis* Tamura, p.225, pl.26, fig.8. Paratype.  
MM3241. *Somapteria koikensis* Tamura, p.225, pl.26, fig.6. Paratype.  
MM3242. *Somapteria koikensis* Tamura, p.225, pl.26, fig.7. Holotype.  
MM3243. *Somapteria koikensis* Tamura, p.225. Paratype.  
MM3244. *Somapteria koikensis* Tamura, p.225, pl.26, fig.3. Paratype.  
MM3245. *Somapteria koikensis* Tamura, p.225. Paratype.  
MM3246. *Pteroperna pauciradiata* Tamura, p.226, pl.26, fig.1. Holotype.  
MM3247. *Pteroperna pauciradiata* Tamura, p.226, pl.26, fig.2. Paratype.  
MM3248. *Pteroperna lingulata* Tamura, p.226, pl.26, fig.16. Holotype.  
MM3249. *Pteroperna lingulata* Tamura, p.226, pl.26, fig.18. Paratype.  
MM3250. *Pteroperna lingulata* Tamura, p.226, pl.26, fig.17. Paratype.  
MM3251. *Pteroperna* sp., p.227, pl.26, fig.15.  
MM3252. *Pteroperna* ? sp., p.227, pl.26, fig.22.  
MM3253. *Aulacomyaella* ? sp., p.227, pl.26, fig.23.  
MM3254. *Gervillia tatenosawensis* Tamura, p.227. Paratype.  
MM3255. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.9. Holotype.  
MM3256. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.10. Paratype.  
MM3257. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.11. Paratype.  
MM3258. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.12. Paratype.  
MM3259. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.13. Paratype.  
MM3260. *Gervillia tatenosawensis* Tamura, p.227, pl.26, fig.14. Paratype.

TAMURA

Tamura, M. (1960c): A note on *Neoburmesia*, a peculiar Jurassic pelecypod, with description of mytilids and myacids from the Upper Jurassic Soma Group in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.38, pp. 275-283, pl.32.

- MM3261. *Modiolus* cf. *bipartitus* J. Sowerby, p.276, pl.32, fig.19.
- MM3262. *Modiolus* cf. *bipartitus* J. Sowerby, p.276, pl.32, fig.20.
- MM3263. *Modiolus* (*Inoperna*) *plicatus* J. Sowerby, p.276, pl.32, fig.5.
- MM3264. *Modiolus* (*Inoperna*) *plicatus* J. Sowerby, p.276, pl.32, fig.6.
- MM3265. *Modiolus* (*Inoperna*) *plicatus* J. Sowerby, p.276, pl.32, fig.7.
- MM3266. *Modiolus* (*Inoperna*) *plicatus* J. Sowerby, p.276, pl.32, fig.8.
- MM3267. *Modiolus* (*Inoperna*) sp., p.277, pl.32, fig.9.
- MM3268. *Brachidontes* (*Arcomytilus*) *laitmairensis* (de Lorient), p.277, pl.32, fig.4.
- MM3269. *Brachidontes* (*Arcomytilus*) *laitmairensis* (de Lorient), p.277, pl.32, fig.3.
- MM3271. *Myoconcha* ? sp., p.277, pl.32, fig.2.
- MM3272. *Myoconcha* ? sp., p.277, pl.32, fig.1.
- MM3273. *Pinna* cf. *mitis* Phillips, p.278, pl.32, fig.12.
- MM3274. *Pinna* cf. *mitis* Phillips, p.278, pl.32, figs.13,14.
- MM3276. *Pleuromya* ? *punctostriata* Tamura, p.278, pl.32, fig.27.
- MM3277. *Pleuromya* ? *punctostriata* Tamura, p.278, pl.32, fig.28.
- MM3278. *Pholadomya* *somensis* Tamura, p.279, pl.32, figs.10,11. Holotype.
- MM3279. *Pholadomya* *somensis* Tamura, p.279. Paratype.
- MM3280. *Pholadomya* *somensis* Tamura, p.279. Paratype.
- MM3281. *Pholadomya* *somensis* Tamura, p.279. Paratype.
- MM3282. *Neoburmesia* *iwakiensis* Yabe and Sato, p.280, pl.32, figs.21-24.
- MM3283. *Neoburmesia* *iwakiensis* Yabe and Sato, p.280, text-fig.1.
- MM3288. *Homomya* *gibbosa* (J. Sowerby), p.280, text-fig.2.
- MM3289. *Goniomya* *nonvscripta* Tamura, p.281. Paratype.
- MM3290. *Goniomya* *nonvscripta* Tamura, p.281. Paratype.
- MM3291. *Goniomya* *nonvscripta* Tamura, p.281, pl.32, fig.18. Paratype.
- MM3292. *Goniomya* *nonvscripta* Tamura, p.281, pl.32, fig.16. Holotype.
- MM3293. *Goniomya* *nonvscripta* Tamura, p.281, pl.32, fig.17. Paratype.
- MM3294. *Goniomya* *nonvscripta* Tamura, p.281, pl.32, fig.15. Paratype.
- MM3295. *Myopholas* cf. *acuticostata* (J. de C. Sowerby), p.278, pl.32, fig.25.
- MM3296. *Myopholas* cf. *acuticostata* (J. de C. Sowerby), p.278, pl.32, fig.26.

TAMURA

Tamura, M. (1960d): Heterodont and other pelecypods from the Upper Jurassic Soma Group, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.39, pp.285-292, pl.33.

- MM3300. *Astarte sakamotoensis* Tamura, p.286, pl.33, fig.1.
- MM3301. *Astarte sakamotoensis* Tamura, p.286, pl.33, fig.2.
- MM3302. *Astarte kambarensis* Kimura, p.286, pl.33, figs.14,15.
- MM3306. *Astarte kambarensis* Kimura, p.286, pl.33, fig.16.
- MM3307. *Astarte kambarensis* Kimura, p.286, pl.33, fig.17.
- MM3308. *Astarte kambarensis* Kimura, p.286, pl.33, fig.18.
- MM3309. *Astarte subdepressa* Blake and Hudleston, p.287, pl.33, fig.22.
- MM3310. *Astarte subdepressa* Blake and Hudleston, p.287, pl.33, fig.19.
- MM3311. *Astarte subdepressa* Blake and Hudleston, p.287, pl.33, fig.20.
- MM3313. *Astarte subdepressa* Blake and Hudleston, p.287, pl.33, fig.21.
- MM3314. *Astarte (Coelastarte) somensis* Tamura, p.287, pl.33, fig.13. Holotype.
- MM3315. *Astarte (Coelastarte) somensis* Tamura, p.287, pl.33, fig.12. Paratype.
- MM3316. *Astarte (Coelastarte) somensis* Tamura, p.287, pl.33, fig.11. Paratype.
- MM3317. *Opis (Trigonopis) torinosuensis* Kimura, p.288, pl.33, figs.5-7.
- MM3318. *Opis (Coelopis ?) sp.*, p.288, pl.33, figs.3,4.
- MM3319. *Arctica (Somarctica) abukumensis* Tamura, p.290, pl.33, figs.27, 28. Holotype.
- MM3320. *Arctica (Somarctica) abukumensis* Tamura, p.290, pl.33, fig.26. Paratype.
- MM3321. *Arctica (Somarctica) abukumensis* Tamura, p.290, pl.33, fig.25. Paratype.
- MM3322. *Arctica (Somarctica) abukumensis* Tamura, p.290. Paratype.
- MM3325. *Thracia fukushimensis* Tamura, p.290. Paratype.
- MM3326. *Thracia fukushimensis* Tamura, p.290, pl.33, fig.9. Holotype.
- MM3327. *Thracia fukushimensis* Tamura, p.290, pl.33, fig.8. Paratype.
- MM3328. *Thracia fukushimensis* Tamura, p.290, pl.33, fig.10. Paratype.
- MM3329. *Thracia fukushimensis* Tamura, p.290. Paratype.
- MM3330. *Protocardia tosensis* Kimura, p.290, pl.33, fig.23.
- MM3331. *Protocardia tosensis* Kimura, p.290, pl.33, fig.24.

TAMURA - TANI - TOKUNAGA

Tamura, M. (1961): New subgenus of pearl oyster, *Eopinctada*, from the Cretaceous Mifune Group in Kumamoto Prefecture, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.44, pp.147-151, pl.22.

- MM3704. *Pinctada (Eopinctada) matsumotoi* Tamura, p.150, pl.22, fig.3. Holotype.
- MM3705. *Pinctada (Eopinctada) matsumotoi* Tamura, p.150, pl.22, fig.4. Paratype.
- MM3706. *Pinctada (Eopinctada) matsumotoi* Tamura, p.150. Paratype.
- MM3707. *Pinctada (Eopinctada) matsumotoi* Tamura, p.150, pl.22, fig.1. Paratype.
- MM3708. *Pinctada (Eopinctada) matsumotoi* Tamura, p.150, pl.22, fig.2. Paratype.

Tani, K. (1943): Additional notes on *Estherites* from the Sungari Series in Manchoukuo. *Jour. Geol. Soc. Japan*, vol.50, no.600, pp.246-252.

- MA3948a. *Estherites tatientzuensis* Tani, p.248, text-fig.1a. Paratype.
- MA3948b. *Estherites tatientzuensis* Tani, p.248, text-fig.1b. Holotype.

Tokunaga, S. (1903): On the fossil echinoids of Japan. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.17, art.12, pp.1-27, pls.1-4.

- ME7448. *Pygurus asiaticus* Tokunaga, p.16, pl.3, figs.3-5. Syntype.
- ME7449. *Pygurus asiaticus* Tokunaga, p.16, pl.3, fig.6. Syntype.

Other Mesozoic illustrated specimens are not registered and now missing.

TOKUYAMA

Tokuyama, A. (1957a): On the Late Triassic rhynchonellids of Japan.

*Japan. Jour. Geol. Geogr.*, vol.28, nos.1-3, pp.121-137, pls.10,11.

- MB4601. *Sakawairhynchia tokomboensis* Kobayashi and Tokuyama, p.127, pl. 10, fig.1a-e. Syntype.
- MB4602. *Sakawairhynchia tokomboensis* Kobayashi and Tokuyama, p.127, pl. 10, fig.2a-f.
- MB4603. *Sakawairhynchia tokomboensis* Kobayashi and Tokuyama, p.127, pl. 10, fig.3a-d. Syntype.
- MB4604. *Sakawairhynchia tokomboensis* Kobayashi and Tokuyama, p.127, pl. 10, fig.4a-c. Syntype.
- MB4605. *Sakawairhynchia katayamai* Tokuyama, var., p.130, pl.10, fig.5a,b.
- MB4606. *Sakawairhynchia katayamai* Tokuyama, p.129, pl.10, fig.6a,b. Holotype.
- MB4607. *Sakawairhynchia katayamai* Tokuyama, p.129, pl.10, fig.7. Paratype.
- MB4608. *Sakawairhynchia katayamai* Tokuyama, p.129, pl.10, fig.8. Paratype.
- MB4609. *Sakawairhynchia katayamai* Tokuyama, p.129, pl.10, fig.9. Paratype.
- MB4610. "*Rhynchonella*" *noichiensis* Tokuyama, p.130, pl.10, fig.10a-e. Holotype.
- MB4611. "*Rhynchonella*" *noichiensis* Tokuyama, p.130, pl.10, fig.11a-d. Paratype.
- MB4612. "*Rhynchonella*" sp. nov., p.136, pl.10, fig.12a,b.
- MB4613. "*Rhynchonella*" sp. nov., p.136, pl.10, fig.13.
- MB4614. "*Rhynchonella*" *kochigataniensis* Tokuyama, p.134, pl.11, fig.1a-f. Holotype.
- MB4615. "*Rhynchonella*" *kochigataniensis* Tokuyama, p.134, pl.11, fig.2a,b. Paratype.
- MB4616. "*Rhynchonella*" *kochigataniensis* Tokuyama, p.134, pl.11, fig.3a,b. Paratype.
- MB4617. "*Rhynchonella*" *nakajimensis* Tokuyama, p.135, pl.11, fig.4. Holotype.
- MB4618. "*Rhynchonella*" *hirabarensis* Tokuyama, p.131, pl.11, fig.5a,b. Paratype.
- MB4619. "*Rhynchonella*" *hirabarensis* Tokuyama, p.131, pl.11, fig.6a,b. Holotype.
- MB4620. "*Rhynchonella*" *asoensis* Tokuyama, p.132, pl.11, fig.7. Paratype.
- MB4621. "*Rhynchonella*" *asoensis* Tokuyama, p.132, pl.11, fig.8. Paratype.
- MB4622. "*Rhynchonella*" *asoensis* Tokuyama, p.132, pl.11, fig.9a,b. Holotype.

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Tokuyama, A. (1957a): continued

- MB4623. *"Rhynchonella" asoensis* Tokuyama, p.132, pl.11, fig.10. Paratype.  
MB4624. *Holochorhynchia sambosanensis* (Kobayashi) var., p.133, pl.11, fig.11.  
MB4625. *"Rhynchonella" subflabellata* Tokuyama, p.131, pl.11, fig.12. Paratype.  
MB4626. *"Rhynchonella" subflabellata* Tokuyama, p.131, pl.11, fig.13a,b. Holotype.  
MB4627. *"Rhynchonella" subflabellata* Tokuyama, p.131, pl.11, fig.14. Paratype.

Tokuyama, A. (1957b): On some Upper Triassic spiriferinoids from the Sakawa basin in Prov. Tosa, Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.27, pp.99-106, pl.17.

- MB4628. *Spiriferinoides sakawanus* Kobayashi and Tokuyama, p.102, pl.17, fig.1a-f. Holotype.  
MB4629. *Spiriferinoides sakawanus* Kobayashi and Tokuyama, p.102, pl.17, fig.2. Paratype.  
MB4630. *Spiriferinoides yeharai* Kobayashi and Tokuyama, p.104, pl.17, fig.3a-c. Paratype.  
MB4631. *Spiriferinoides yeharai* Kobayashi and Tokuyama, p.104, pl.17, fig.4a-d. Holotype.  
MB4632. *Spiriferinoides yeharai* Kobayashi and Tokuyama, p.104, pl.17, fig.5a-d. Paratype.  
MB4633. *Spiriferinoides nasai* Tokuyama, p.105, pl.17, fig.6a-d. Holotype.  
MB4634. *Spiriferinoides nasai* Tokuyama, p.105, pl.17, fig.7. Paratype.  
MB4635. *Punctospirifer triadicus* Tokuyama, p.100, pl.17, fig.8a-c. Holotype.  
MB4636. *Punctospirifer triadicus* Tokuyama, p.100, pl.17, fig.9a,b. Paratype.  
MB4637. *Punctospirifer triadicus* Tokuyama, p.100, pl.17, fig.10. Paratype.  
MB4638. *Punctospirifer triadicus* Tokuyama, p.100, pl.17, fig.11. Paratype.  
MB4639. *Punctospirifer triadicus* Tokuyama, p.100, pl.17, fig.12. Paratype.  
MB4640. *Punctospirifer triadicus kashiwaiensis* Tokuyama, p.101, pl.17, fig.13. Paratype. (missing)  
MB4641. *Punctospirifer triadicus kashiwaiensis* Tokuyama, p.101, pl.17, fig.14a,b. Paratype. (missing)

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Tokuyama, A. (1957b): continued

- MB4642. *Punctospirifer triadicus kashiwaiensis* Tokuyama, p.101, pl.17, fig.15a,b. Paratype.  
MB4643. *Punctospirifer triadicus kashiwaiensis* Tokuyama, p.101, pl.17, fig.16a,b. Holotype. (missing)

Tokuyama, A. (1957c): On some Jurassic rhynchonellids from Shikoku, Japan.

*Trans. Proc. Palaeont. Soc. Japan*, N. S., no.28, pp.128-136, pl.21.

- MB4644. "*Rhynchonella*" sp. cfr. *haradai* Neumayr, p.129, pl.21, fig.1a,b.  
MB4645. "*Rhynchonella*" sp. cfr. *haradai* Neumayr, p.129, pl.21, fig.2a-c.  
MB4646. "*Rhynchonella*" sp. cfr. *haradai* Neumayr, p.129, pl.21, fig.3.  
MB4647. "*Rhynchonella*" sp. aff. *bouchardii* Davidson, p.130, pl.21, fig.4.  
MB4648. *Burmirhynchia japonica* Tokuyama, p.131, pl.21, fig.5a-d. Holotype.  
MB4649. *Burmirhynchia japonica* Tokuyama, p.131, pl.21, fig.6a-c. Paratype.  
MB4650. *Burmirhynchia torinosuensis* Tokuyama, p.133, pl.21, fig.7a-e. Holotype.  
MB4651. *Burmirhynchia torinosuensis* Tokuyama, p.133, pl.21, fig.8a-d. Paratype.  
MB4652. "*Burmirhynchia*" *capillata* Tokuyama, p.134, pl.21, fig.9a-e. Holotype.  
MB4653. *Parvirhynchia bella* Tokuyama, p.134, pl.21, fig.10a-d. Holotype.  
MB4654. *Kallirhynchia* sp., p.131, pl.21, fig.11.

Tokuyama, A. (1958a): On some terebratuloids from the Middle Jurassic

Naradani Formation in Shikoku, Japan. *Japan. Jour. Geol. Geogr.*, vol. 29, nos.1-3, pp.1-10, pl.1.

- MB4655. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.2a-e. Holotype.  
MB4656. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.1. Paratype.  
MB4657. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.3. Paratype.  
MB4658. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.4. Paratype.  
MB4659. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.5. Paratype.  
MB4660. *Naradanithyris kuratai* Tokuyama, p.3, pl.1, fig.6. Paratype.  
MB4661. *Naradanithyris kuratai* var. *radiatostriata* Tokuyama, p.7, pl.1, fig.7a-d. Holotype.

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Tokuyama, A. (1958a): continued

- MB4662. *Naradanithyris kuratai* var. *radiatostriata* Tokuyama, p.7, pl.1, fig.8a-c. Paratype.
- MB4663. "*Terebratula*" *nishiyamensis* Tokuyama, p.7, pl.1, fig.9a-e. Holotype.
- MB4664. "*Terebratula*" sp., p.10, pl.1, fig.10a-d.
- MB4665. *Zeilleria naradaniensis* Tokuyama, p.9, pl.1, fig.11a-g. Holotype.
- MB4666. *Zeilleria naradaniensis* Tokuyama, p.9, pl.1, fig.12a-d. Paratype.

Tokuyama, A. (1958b): On some terebratuloids from the Late Jurassic Torinosu Series in Shikoku, Japan. *Japan. Jour. Geol. Geogr.*, vol.29, nos. 1-3, pp.119-131, pl.9.

- MB4667. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.1a-e. Holotype.
- MB4668. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.2a-c. Paratype.
- MB4669. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.3a-e. Paratype.
- MB4670. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.4a-c. Paratype.
- MB4671. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.5a-c. Paratype.
- MB4672. *Neumayrithyris torinosuensis* Tokuyama, p.122, pl.9, fig.6a-c. Paratype.
- MB4673. "*Terebratula*" *anaiwensis* Tokuyama, p.126, pl.9, fig.7a-d. Holotype.
- MB4674. "*Terebratula*" *anaiwensis* Tokuyama, p.126, pl.9, fig.8a-c. Paratype.
- MB4675. "*Terebratula*" *imamurai* Tokuyama, p.128, pl.9, fig.9a-e. Holotype.
- MB4676. *Zeilleria kotoi* Tokuyama, p.130, pl.9, fig.10a-c. Holotype.
- MB4677. *Zeilleria kotoi* Tokuyama, p.130, pl.9, fig.11a-c. Paratype.
- MB4678. "*Terebratulina*" *nishiyamensis* Tokuyama, p.128, pl.9, fig.12a-c. Holotype.
- MB4679. "*Terebratulina*" *nishiyamensis* Tokuyama, p.128, pl.9, fig.13a-c. Paratype.



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Tokuyama, A. (1958c): Late Triassic Palaeopharus in Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.32, pp.291-298, pl.43.

- MM4470. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 1. Holotype.
- MM4471. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 2. Paratype.
- MM4472. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 3. Paratype.
- MM4473. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 4. Paratype.
- MM4474. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 5. Paratype.
- MM4475. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 6. Paratype.
- MM4476. *Palaeopharus (Minepharus) triadicus* Tokuyama, p.297, pl.43, fig. 7. Paratype.
- MM4477. *Palaeopharus oblongatus* (Kobayashi and Ichikawa), p.294, pl.43, fig.8.
- MM4478. *Palaeopharus oblongatus* (Kobayashi and Ichikawa), p.294, pl.43, fig.9.
- MM4479. *Palaeopharus oblongatus* (Kobayashi and Ichikawa), p.294, pl.43, fig.10.
- MM4480. *Palaeopharus oblongatus* (Kobayashi and Ichikawa), p.294, pl.43, fig.11a,b.
- MM4481. *Palaeopharus oblongatus buriji* Kiparisova, p.296, pl.43, fig.12.

Tokuyama, A. (1959a): "Bakevellia" and "Edentula" from the Late Triassic Mine Series in west Japan. *Trans. Proc. Palaeont. Soc. Japan*, N. S., no.35, pp.147-155, pl.16.

- MM4482. *Bakevellioides hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.1.
- MM4483. *Bakevellioides hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.2.
- MM4484. *Bakevellioides hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.3a-c.
- MM4485. *Bakevellioides hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.4a-c.
- MM4486. *Bakevellioides hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.5.

TOKUYAMA

Tokuyama, A. (1959a): continued

- MM4487. *Bakevellidoes hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.6.
- MM4488. *Bakevellidoes hekiensis* (Kobayashi and Ichikawa), p.149, pl.16, fig.7a,b.
- MM4489. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.8.
- MM4490. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.9.
- MM4491. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.10.
- MM4492. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.11.
- MM4493. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.12.
- MM4494. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.13.
- MM4495. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.14.
- MM4496. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.15.
- MM4497. *Waagenoperna triangularis* (Kobayashi and Ichikawa), p.153, pl.16, fig.16a,b.

Tokuyama, A. (1959b): Late Triassic Pteriacea from the Atsu and Mine

Series, west Japan. *Japan. Jour. Geol. Geogr.*, vol.30, pp.1-19, pl.1.

- MM4498. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.1. Holotype.
- MM4499. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.2. Paratype.
- MM4500. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.3. Paratype. (missing)
- MM4501. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.4. Paratype.
- MM4502. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.5. Paratype.
- MM4503. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig.6. Paratype.
- MM4504. *Eumorphotis (Asoella) confertoradiata* Tokuyama, p.4, pl.1, fig. 12. Paratype.

TOKUYAMA

Tokuyama, A. (1959b): continued

- MM4505. *Eumorphotis (Asoella) laevigata* Tokuyama, p.5, pl.1, fig.7. Holotype. (missing)
- MM4506. *Eumorphotis (Asoella) laevigata* Tokuyama, p.5, pl.1, fig.8. Paratype. (missing)
- MM4507. *Eumorphotis (Asoella) laevigata* Tokuyama, p.5, pl.1, fig.9. Paratype.
- MM4508. *Eumorphotis (Asoella) laevigata* Tokuyama, p.5, pl.1, fig.10. Paratype. (missing)
- MM4509. *Eumorphotis (Asoella) nakatsukensis* Tokuyama, p.6, pl.1, fig.11. Paratype.
- MM4510. *Eumorphotis (Asoella) nakatsukensis* Tokuyama, p.6, pl.1, fig.13a,b. Holotype.
- MM4511. *Eumorphotis (Asoella) nakatsukensis* Tokuyama, p.6, pl.1, fig.14. Paratype.
- MM4512. "*Pteria*" sp. nov., p.12, pl.1, fig.15.
- MM4513. "*Pteria*" sp. nov., p.12, pl.1, fig.16.
- MM4514. "*Pteria*" sp. nov., p.12, pl.1, fig.17. (missing)
- MM4515. "*Pteria*" *mugikawensis* Tokuyama, p.11, pl.1, fig.18. Holotype.
- MM4516. *Oxytoma zitteli* (Teller), p.7, pl.1, fig.19a,b.
- MM4517. *Oxytoma zitteli* (Teller), p.7, pl.1, fig.20.
- MM4518. *Oxytoma zitteli* (Teller), p.7, pl.1, fig.21.
- MM4519. *Oxytoma pulchrum* Kobayashi and Ichikawa [error of *pulchra*], p.9, pl.1, fig.22a,b.
- MM4520. *Oxytoma subzitteli* Kobayashi and Ichikawa, p.8, pl.1, fig.23.
- MM4521. *Oxytoma subzitteli* Kobayashi and Ichikawa, p.8, pl.1, fig.24.
- MM4522. *Oxytoma atsuense* Tokuyama [error of *atsuensis*], p.7, pl.1, fig.25. Holotype.
- MM4523. *Oxytoma multistriatum* Tokuyama [error of *multistriata*], p.10, pl.1, fig.26a,b. Holotype.
- MM4524. *Oxytoma multistriatum* Tokuyama [error of *multistriata*], p.10, pl.1, fig.27a,b. Paratype.
- MM4525. *Halobia atsuensis* Tokuyama, p.14, pl.1, fig.28. Holotype.
- MM4526. *Halobia subседaka* Tokuyama, p.15, pl.1, fig.29. Holotype.
- MM4527. *Halobia kawadai* Yehara, p.16, pl.1, fig.30.
- MM4528. *Halobia kawadai* Yehara, p.16, pl.1, fig.31.
- MM4529. *Halobia kashiwaiensis* Kobayashi and Ichikawa, p.16, pl.1, fig.32.
- MM4530. *Halobia aotii* Kobayashi and Ichikawa, p.17, pl.1, fig.33.

TOKUYAMA

Tokuyama, A. (1959c): Bemerkungen über die Brachiopodenfazies der oberjurassischen Torinosuserie Südwestjapans, mit Beschreibungen einiger Formen. *Japan. Jour. Geol. Geogr.*, vol.30, pp.183-194, pl.15.

- MB4531. *Holcothyris takiensis* Tokuyama, p.192, pl.15, fig.1a-c. Holotype.
- MB4532. *Holcothyris takiensis* Tokuyama, p.192, pl.15, fig.2. Paratype.
- MB4533. *Holcothyris takiensis* Tokuyama, p.192, pl.15, fig.3. Paratype.
- MB4534. *Holcothyris takiensis* Tokuyama, p.192, pl.15, fig.4. Paratype.
- MB4535. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.5a-c. Holotype.
- MB4536. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.6. Paratype.
- MB4537. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.7. Paratype.
- MB4538. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.8. Paratype.
- MB4539. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.9a,b. Paratype.
- MB4540. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.10. Paratype.
- MB4541. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.11. Paratype.
- MB4542. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.12. Paratype.
- MB4543. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.13. Paratype.
- MB4544. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.14. Paratype.
- MB4545. "*Rhynchonella*" *tamurai* Tokuyama, p.189, pl.15, fig.15a,b. Paratype.
- MB4546. "*Rhynchonella*" sp. cfr. *varians* (Schlotheim), p.191, pl.15, fig.16.
- MB4547. "*Rhynchonella*" sp., p.192, pl.15, fig.17

Tokuyama, A. (1960a): Late Triassic pelecypod fauna of the Aso Formation in west Japan. *Japan. Jour. Geol. Geogr.*, vol.31, no.1, pp.23-38, pl.4.

- MM4548. *Plagiostoma higaeribarense* Tokuyama, p.34, pl.4, fig.1a,b. Holotype.
- MM4549. *Plagiostoma higaeribarense* Tokuyama, p.34, pl.4, fig.2a,b. Paratype.
- MM4550. *Plagiostoma higaeribarense* var. *yuguchiense* Tokuyama, p.35, pl.4, fig.3. Holotype. (missing)
- MM4551. *Limatula asoensis* Tokuyama, p.33, pl.4, fig.4a,b. Holotype.
- MM4552. *Limatula asoensis* Tokuyama, p.33, pl.4, fig.5a,b. Paratype.
- MM4553. *Plicatula hekiensis* Nakazawa, p.36, pl.4, fig.6.
- MM4554. *Plicatula hekiensis* Nakazawa, p.36, pl.4, fig.7a,b.

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Tokuyama, A. (1960a): continued

- MM4555. *Plicatula hekiensis* Nakazawa, p.36, pl.4, fig.8a,b.
- MM4556. *Plicatula hekiensis* Nakazawa, p.36, pl.4, fig.9.
- MM4557. *Anodontophora* aff. *kochigataniensis* Kobayashi and Ichikawa, p.37, pl.4, fig.10.
- MM4558. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.31, pl.4, fig.11.
- MM4559. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.31, pl.4, fig.12.
- MM4560. *Chlamys mojsisovicsi* Kobayashi and Ichikawa, p.31, pl.4, fig.13.
- MM4561. *Modiolus nagatoensis* Tokuyama, p.36, pl.4, fig.14a,b. Holotype.
- MM4562. *Tosapekten suzukii okadai* Nakazawa, p.29, pl.4, fig.15.
- MM4563. *Tosapekten suzukii okadai* Nakazawa, p.29, pl.4, fig.16a,b.
- MM4564. *Tosapekten suzukii okadai* Nakazawa, p.29, pl.4, fig.17a,b.
- MM4842. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.2. (missing)
- MM4843. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.3.
- MM4844. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.4. (missing)
- MM4845. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.5. (missing)
- MM4846. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.6.
- MM4847. *Tosapekten suzukii okadai* Nakazawa, p.29, text-fig.7.

Tokuyama, A. (1960b): On the bio- and litho-facies of the Hirabara Formation in Province of Nagato, west Japan. *Japan. Jour. Geol. Geogr.*, vol.31, nos.2-4, pp.185-200, pl.12.

Tokuyama, A. (1960c): On the pelecypod fauna of the Late Triassic Hirabara Formation in west Japan. *Japan. Jour. Geol. Geogr.*, vol.31, nos. 2-4, pp.201-217. pl.13.

- MM4565. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.1a,b.
- MM4566. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.2.
- MM4567. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.3.
- MM4568. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.4.
- MM4569. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.5.
- MM4570. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.6a,b.

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Tokuyama, A. (1960b,c): continued

- MM4571. *Parallelodon (Palaeocucullaea) monobensis* Nakazawa, p.206, pl.12, fig.7a,b.
- MM4572. *Liostrea (Catinula) shiraiwensis* Tokuyama, p.209, pl.12, fig.8. Paratype.
- MM4573. *Liostrea (Catinula) shiraiwensis* Tokuyama, p.209, pl.12, fig.9. Paratype.
- MM4574. *Liostrea (Catinula) shiraiwensis* Tokuyama, p.209, pl.12, fig.10a,b. Paratype.
- MM4575. *Liostrea (Catinula) shiraiwensis* Tokuyama, p.209, pl.12, fig.11a,b. Holotype.
- MM4576. *Liostrea (Catinula) shiraiwensis* Tokuyama, p.209, pl.12, fig.12. Paratype.
- MM4577. *Oxytoma pulchra* Kobayashi and Ichikawa, p.194, pl.12, fig.13.
- MM4578. *Anodontophora takiguchiensis* Tokuyama, p.214, pl.12, fig.14. Paratype. (missing)
- MM4579. *Anodontophora takiguchiensis* Tokuyama, p.214, pl.12, fig.15. Paratype. (missing)
- MM4580. *Anodontophora takiguchiensis* Tokuyama, p.214, pl.12, fig.16. Holotype.
- MM4581. *Anodontophora takiguchiensis* Tokuyama, p.214, pl.12, fig.17. Paratype.
- MM4582. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.212, pl.13, fig.1a-d.
- MM4583. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.212, pl.13, fig.2a,b.
- MM4584. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.212, pl.13, fig.3a,b.
- MM4585. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.212, pl.13, fig.4.
- MM4586. *Minetrigonia katayamai* Kobayashi and Ichikawa, p.212, pl.13, fig.5.
- MM4587. *Modiolus okubatensis* Tokuyama, p.210, pl.13, fig.6a,b. Holotype.
- MM4588. *Modiolus okubatensis* Tokuyama, p.210, pl.13, fig.7. Paratype.
- MM4589. *Modiolus okubatensis* Tokuyama, p.210, pl.13, fig.8. Paratype.
- MM4590. *Mytilus (Falcimytilus) hirabarensis* Tokuyama, p.210, pl.13, fig. 9. Holotype.
- MM4591. *Mysidioptera ominensis* Tokuyama, p.208, pl.13, fig.10. Paratype.
- MM4592. *Mysidioptera ominensis* Tokuyama, p.208, pl.13, fig.11a,b. Holotype.

TOKUYAMA

Tokuyama, A. (1960b,c): continued

- MM4593. *Schafhäutlia nakazawai* Tokuyama [to be emended as *Schafhaeutlia*],  
p.211, pl.13, fig.12a-d. Holotype.
- MM4594. *Schafhäutlia nakazawai* Tokuyama [to be emended as *Schafhaeutlia*],  
p.211, pl.13, fig.13. Paratype.
- MM4595. *Schafhäutlia nakazawai* Tokuyama [to be emended as *Schafhaeutlia*],  
p.211, pl.13, fig.14. Paratype.
- MM4596. *Homomya matsuoensis* Nakazawa, p.215, pl.13, fig.15.
- MM4597. *Homomya matsuoensis* Nakazawa, p.215, pl.13, fig.16a,b.
- MM4598. *Cardinia triadica* Kobayashi and Ichikawa, p.211, pl.13, fig.17.
- MM4599. *Cardinia triadica* Kobayashi and Ichikawa, p.211, pl.13, fig.18.
- MM4600. *Halobia subsedaka* Tokuyama, p.202, pl.13, fig.19.

TORIYAMA

Toriyama, R. (1941a): A fusulinid fossil from Chinchou district, Kuangtung Province. *Jour. Geol. Soc. Japan*, vol.48, no.579, pp.106-108.

PF9465. *Schwagerina prisca* (Ehrenberg, Müller), p.561, text-fig.1.

PF9466. *Schwagerina prisca* (Ehrenberg, Müller), p.561, text-fig.2.

Toriyama, R. (1941b): The Carboniferous Foraminifera from the Sosan district, North Heian-dō, Tyōsen. *Jour. Geol. Soc. Japan*, vol.48, no.579, pp.563-567.

PF9467a. *Ozawainella angulata* Colani, p.564, text-fig.1.

PF9467b. *Fusulinella* sp., p.566, text-fig.8.

PF9467c. *Eoschubertella obscura* Lee et Chen, p.566, text-fig.10.

PF9467d. *Eoschubertella obscura* Lee et Chen, p.566, text-fig.11.

PF9468. *Ozawainella angulata* Colani, p.564, text-fig.2.

PF9469. *Ozawainella angulata* Colani, p.564, text-fig.4.

PF9470. *Ozawainella angulata* Colani, p.564, text-fig.5.

PF9471. *Fusulinella parva* Lee et Chen, p.564, text-fig.6.

PF9472. *Fusulinella parva* Lee et Chen, p.564, text-fig.7.

PF9473. *Fusulinella* sp., p.566, text-fig.9.

Toriyama, R. (1942a): Some fusulinid fossils from Keigen district, North Kankyō-dō, Tyōsen. *Jour. Geol. Soc. Japan*, vol.49, no.580, pp.34-36.

PF9474. *Pseudodoliolina* sp., p.34, text-fig.1.

PF9475. *Pseudodoliolina* sp., p.34, text-fig.3.

PF9476. *Pseudodoliolina* sp., p.34, text-fig.4.

PF9477. *Parafusulina* sp., p.35, text-fig.2.

Toriyama, R. (1942b): The fusulinids of the Yasuba conglomerate in the Province of Tosa. *Japan. Jour. Geol. Geogr.*, vol.18, pp.237-247, pls. 24, 25.

PF9478a. *Triticites minimus* (Schellwien), p.239, pl.24, fig.1.

PF9478b. *Triticites minimus* (Schellwien), p.239, pl.24, fig.2.

PF9479. *Triticites truncatus* Chen, p.240, pl.24, fig.3.

PF9480. *Triticites* sp. b, p.241, pl.24, fig.5.



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Toriyama, R. (1942b): continued

- PF9481. *Fusulina sinkaiensis* Toriyama, p.241, pl.24, fig.6. Holotype.
- PF9482. *Schwagerina* sp. a, p.242, pl.24, fig.7.
- PF9483. *Schwagerina* sp. b, p.243, pl.24, fig.8.
- PF9484. *Neoschwagerina margaritae* Deprat, p.243, pl.24, fig.9.
- PF9485. *Neoschwagerina margaritae* Deprat, p.243, pl.24, fig.10.
- PF9486. *Neoschwagerina margaritae* Deprat, p.243, pl.24, fig.11.
- PF9487. *Neoschwagerina margaritae* Deprat, p.243, pl.24, fig.12.
- PF9488. *Neoschwagerina craticulifera* (Schwager), p.244, pl.24, fig.13.
- PF9489a. *Yabeina shiraiwensis* Ozawa, p.245, pl.24, fig.14.
- PF9489b. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.1.
- PF9490. *Yabeina shiraiwensis* Ozawa, p.245, pl.24, fig.15.
- PF9491. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.2.
- PF9492. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.4.
- PF9493. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.5.
- PF9494. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.6.
- PF9495. *Yabeina shiraiwensis* Ozawa, p.245, pl.25, fig.7.
- PF9497a. *Yabeina yasubaensis* Toriyama, p.246, pl.25, fig.8. Syntype.
- PF9497b. *Yabeina yasubaensis* Toriyama, p.246, pl.25, fig.9. Syntype.
- PF9498. *Yabeina yasubaensis* Toriyama, p.246, pl.25, fig.10. Syntype.
- PF9499. *Yabeina yasubaensis* Toriyama, p.246, pl.25, fig.13. Syntype.
- PF9500. *Yabeina yasubaensis* Toriyama, p.246, pl.25, fig.14. Syntype.

Other type and illustrated specimens are not registered and now missing.

Toriyama, R. (1944): The fusulinids in the limestone conglomerates of the Sakuradani area in the Province of Awa. *Japan. Jour. Geol. Geogr.*, vol.19, pp.67-82, pl.6.

- PF9502. *Ozawainella angulata* Colani, p.69, pl.6, fig.1.
- PF9503. *Ozawainella angulata* Colani, p.69, pl.6, fig.2.
- PF9504. *Fusulinella bocki* Møller, p.70, pl.6, fig.3.
- PF9505. *Fusulinella bocki* Møller, p.70, pl.6, fig.4.
- PF9506. *Fusulinella bocki* Møller, p.70, pl.6, fig.5.
- PF9507a. *Fusulinella bocki* Møller, p.70, pl.6, fig.6.
- PF9507b. *Fusulinella bocki* Møller, p.70, pl.6, fig.8.

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Toriyama, R. (1944): continued

- PF9508. *Fusulinella bocki* Müller, p.70, pl.6, fig.7.
- PF9511. *Fusulinella colanii* Lee et Chen, p.72, pl.6, fig.9.
- PF9512. *Fusulinella compressa* Ozawa, p.73, pl.6, fig.10.
- PF9513. *Fusulinella compressa* Ozawa, p.73, pl.6, fig.11.
- PF9514. *Fusulinella compressa* Ozawa, p.73, pl.6, fig.12.
- PF9515. *Fusulinella* sp., p.74, pl.6, fig.13.
- PF9516. *Fusulina lanceolata* Lee et Chen, p.75, pl.6, fig.14.
- PF9517. *Fusulina lanceolata* Lee et Chen, p.75, pl.6, fig.15.
- PF9519. *Fusulina konnoi* Ozawa, p.76, pl.6, fig.16.
- PF9520. *Fusulina* sp., p.76, pl.6, fig.17.
- PF9522. *Eoschubertella obscura* Lee et Chen, p.77, pl.6, fig.18.
- PF9523. *Eoschubertella obscura* Lee et Chen, p.77, pl.6, fig.19.
- PF9524. *Eoschubertella obscura* Lee et Chen, p.77, pl.6, fig.20.
- PF9525. *Eoschubertella obscura* Lee et Chen, p.77, pl.6, fig.21.
- PF9526. *Eoschubertella obscura* Lee et Chen, p.77, pl.6, fig.22.
- PF9528. *Schwagerina prisca* (Ehrenberg, Müller), p.78, pl.6, fig.23.
- PF9529. *Schwagerina alpina* var. *communis* (Schellwien), p.79, pl.6, fig.24.
- PF9530. *Schwagerina* sp., p.80, pl.6, fig.25.
- PF9531. *Neoschwagerina craticulifera* Schwager, p.81, pl.6, fig.26.

Toriyama, R. (1945): The fusulinids in the limestone conglomerate of Inomine in the Province of Tosa. *Japan. Jour. Geol. Geogr.*, vol.20, no.1, pp.1-11, pl.1.

- PF9532. *Ozawainella* cfr. *angulata* Colani, p.3, pl.1, fig.1.
- PF9533a. *Ozawainella* cfr. *angulata* Colani, p.3, pl.1, fig.2.
- PF9533b. *Ozawainella* cfr. *angulata* Colani, p.3, pl.1, fig.3.
- PF9533c. *Eoschubertella inominsensis* Toriyama, p.9, pl.1, fig.29. Syntype.
- PF9533d. *Eoschubertella inominsensis* Toriyama, p.9, pl.1, fig.33. Syntype.
- PF9534. *Ozawainella* cfr. *angulata* Colani, p.3, pl.1, fig.4.
- PF9535. *Fusulinella* cfr. *bocki* Müller, p.4, pl.1, fig.5.
- PF9536a. *Fusulinella* cfr. *bocki* Müller, p.4, pl.1, fig.6.
- PF9536b. *Fusulinella* cfr. *bocki* Müller, p.4, pl.1, fig.7.

TORIYAMA

Toriyama, R. (1945): continued

- PF9536c. *Eoschubertella inominensis* Toriyama, p.9, pl.1, fig.28. Syntype.  
PF9537a. *Fusulinella* cfr. *bocki* Müller, p.4, pl.1, fig.8.  
PF9537b. *Eoschubertella magna* Lee and Chen, p.7, pl.1, fig.22.  
PF9538. *Fusulinella* cfr. *bocki* Müller, p.4, pl.1, fig.9.  
PF9540a. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.10.  
PF9540b. *Eoschubertella inominensis* Toriyama, p.9, pl.1, fig.31. Syntype.  
PF9541a. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.11.  
PF9541b. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.15.  
PF9541c. *Eoschubertella inominensis* Toriyama, p.9, pl.1, fig.27. Syntype.  
PF9542a. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.12.  
PF9542b. *Eoschubertella inominensis* Toriyama, p.9, pl.1, fig.30. Syntype.  
PF9543. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.13.  
PF9544. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.14.  
PF9545. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.16.  
PF9546. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.17.  
PF9547. *Fusulinella* cfr. *biconica* Hayasaka, p.5, pl.1, fig.18.  
PF9548. *Fusulinella* ? sp., p.7, pl.1, fig.19.  
PF9549. *Eoschubertella magna* Lee and Chen, p.7, pl.1, fig.20.  
PF9550. *Eoschubertella magna* Lee and Chen, p.7, pl.1, fig.21.  
PF9551a. *Eoschubertella magna* Lee and Chen, p.7, pl.1, fig.23.  
PF9551b. *Eoschubertella minima* Toriyama, p.10, pl.1, fig.34. Syntype.  
PF9552. *Eoschubertella magna* Lee and Chen, p.7, pl.1, fig.24.  
PF9555. *Eoschubertella inominensis* Toriyama, p.9, pl.1, fig.32. Syntype.  
PF9556. *Eoschubertella minima* Toriyama, p.10, pl.1, fig.35. Syntype.

Toriyama, P. (1947a): On the fusulinids in the Yasuba type of limestone conglomerate in the Kwanto mountainland. *Japan. Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.33-39, pl.9.

- PF9557. *Fusulinella* cfr. *pseudobocki* Lee et Chen, p.34, pl.9, fig.1.  
PF9558a. *Fusulinella* cfr. *fittsi* Thompson, p.35, pl.9, fig.2.  
PF9558b. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.9.  
PF9559a. *Eoschubertella obscura* Lee et Chen, p.36, pl.9, fig.3.  
PF9559b. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.5.

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Toriyama, R. (1947a): continued

- PF9559c. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.6.  
 PF9559d. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.7.  
 PF9560a. *Eoschubertella obscura* Lee et Chen, p.36, pl.9, fig.4.  
 PF9560b. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.12.  
 PF9561a. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.8.  
 PF9561b. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.10.  
 PF9562. *Triticites cullomensis* Dunbar and Condra, p.37, pl.9, fig.11.  
 PF9563. *Triticites* cfr. *powwowensis* Dunbar and Skinner, p.38, pl.9, fig.13.  
 PF9564. *Triticites* ? sp., p.33, pl.9, fig.14.

Toriyama, R. (1947b): On some fusulinids from Tosayama, Kōti-ken, Sikoku, with a note on the stratigraphical range of *Neoschwagerina*. Japan. *Jour. Geol. Geogr.*, vol.20, nos.2-4, pp.63-82, pls.16,17.

- PF9565a. *Staffella* sp., p.67, pl.16, fig.1.  
 PF9565b. *Schwagerina* cf. *lutugini* (Schellwien), p.68, pl.16, fig.2.  
 PF9565c. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.18.  
 PF9566a. *Pseudoschwagerina* sp., p.69, pl.16, fig.3.  
 PF9566b. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.16. Syntype.  
 PF9567a. *Pseudoschwagerina* sp., p.69, pl.16, fig.4.  
 PF9567b. *Doliolina iisakai* Toriyama, p.71, pl.16, fig.10. Syntype.  
 PF9567c. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.15. Syntype.  
 PF9567c. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.17. Syntype.  
 PF9568. *Verbeekina katoi* Toriyama, p.69, pl.16, fig.5. Syntype.  
 PF9569. *Verbeekina katoi* Toriyama, p.69, pl.16, fig.6. Syntype.  
 PF9570. *Verbeekina katoi* Toriyama, p.69, pl.16, fig.7. Syntype.  
 PF9571a. *Verbeekina* (?) sp., p.70, pl.16, fig.8.  
 PF9571b. *Cancellina tosayamensis* Toriyama, p.75, pl.17, fig.2. Syntype.  
 PF9572a. *Doliolina iisakai* Toriyama, p.71, pl.16, fig.9. Syntype.  
 PF9572b. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.17. Syntype.  
 PF9572c. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.22. Syntype.  
 PF9573. *Doliolina iisakai* Toriyama, p.71, pl.16, fig.11. Syntype.  
 PF9574a. *Doliolina iisakai* Toriyama, p.71, pl.16, fig.12. Syntype.

TORIYAMA

Toriyama, R. (1947b): continued

- PF9574b. *Doliolina tosensis* Toriyama, p.72, pl.16, fig.13. Holotype.
- PF9577a. *Doliolina* sp. (?), p.73, pl.16, fig.14.
- PF9577b. *Cancellina tosayamensis* Toriyama, p.75, pl.17, fig.1. Syntype.
- PF9578. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.16. Syntype.
- PF9579. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.19. Syntype.
- PF9580. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.20. Syntype.
- PF9581. *Cancellina kobayashii* Toriyama, p.74, pl.16, fig.21. Syntype.
- PF9582. *Neoschwagerina craticulifera* Schwager, p.76, pl.17, fig.4.
- PF9585. *Cancellina tosayamensis* Toriyama, p.75, pl.17, fig.3. Syntype.
- PF9586. *Neoschwagerina craticulifera* Schwager, p.76, pl.17, fig.5.
- PF9587. *Neoschwagerina craticulifera* Schwager, p.76, pl.17, fig.6.
- PF9588. *Neoschwagerina craticulifera* Schwager, p.76, pl.17, fig.7.
- PF9589. *Neoschwagerina margaritae* Deprat, p.79, pl.17, fig.9.
- PF9590. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.12. Syntype.
- PF9592. *Neoschwagerina douvillei* Ozawa, p.78, pl.17, fig.8.
- PF9595. *Neoschwagerina margaritae* Deprat, p.79, pl.17, fig.10.
- PF9596. *Neoschwagerina staffelloides* Toriyama, p.80, pl.17, fig.11. Holotype.
- PF9597. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.13. Syntype.
- PF9598. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.14. Syntype.
- PF9599. *Neoschwagerina iisakai* Toriyama, p.81, pl.17, fig.15. Syntype.

WRIGHT

Wright, C. W. and Matsumoto, T. (1954): Some doubtful Cretaceous ammonite genera from Japan and Saghalien. *Mem. Fac. Sci. Kyushu Univ.*, ser.D, vol.4, no.2, pp.107-134, pls.7,8.

- MM6553. [= I-2931] *Scalarites scalaris* (Yabe), p.117, pl.7, fig.3.  
 MM6564. [= I-2951a] *Scalarites mihoensis* Wright and Matsumoto, p.118, pl.7, fig.1. Holotype.  
 MM6565. [= I-3352] *Scalarites mihoensis* Wright and Matsumoto, p.118, pl.7, fig.2. Paratype.  
 MM6581. [= I-126b] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.120, text-fig.11a,b. Paralectotype.  
 MM6583. [= I-2862] *Ryugasella ryugasensis* Wright and Matsumoto, p.122, pl.7, fig.4a-d, text-fig.13a-e. Holotype.  
 MM6590. [= I-3245b] *Eogunnarites unicus* (Yabe), p.126, pl.8, fig.2a-c.  
 MM6591. [= I-3245a] *Eogunnarites unicus* (Yabe), p.126, pl.8, fig.4a-c.  
 MM6592. [= I-3246] *Eogunnarites unicus* (Yabe), p.126, text-figs.14-20.  
 MM7457. [= I-255] *Eogunnarites unicus* (Yabe), p.126, pl.8, fig.3a,b. Holotype.  
 MM7490. [= I-126a] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.120, text-fig.10a,b. Paralectotype. (missing) [see also Jimbo (1894)]  
 MM7524. [= I-125] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.120, text-fig.9a,b. Lectotype. [see also Jimbo (1894)]  
 MM7618. [= I-341] *Pseudoxybeloceras quadrinodosum* (Jimbo), p.120, pl.7, fig.6a,b, text-fig.12a,b.  
 MM7619. [= I-342] *Neocrioceras* (?) *sanushibense* Wright and Matsumoto, p.121, pl.7, fig.5a,b. Holotype.

The following specimens, which were mentioned but not illustrated in this paper, are also preserved in this museum.

- Scalarites scalaris* (Yabe): MM6554 [= I-2930a], MM6555 [= I-2930b], MM6556 [= I-2932], MM6557 [= I-2933], MM6558 [= I-2934], MM6559 [= I-2935], MM6560 [= I-2936], MM6561 [= I-2937], MM6562 [= I-3350], MM6563 [= I-3361], MM7549 [= I-233, I-234a,b]  
*Scalarites mihoensis* Wright and Matsumoto: MM6566 [= I-2951b], MM6567 [= I-2949], MM6568 [= I-2950], MM6569 [= I-2953], MM6570 [= I-2954], MM6571 [= I-2955], MM6572 [= I-2956], MM6573 [= I-3354], MM6574 [= I-3357], MM6575 [= I-3362], MM6576 [= I-3363], MM6577 [= I-3373], MM6578 [= I-3375], MM6579 [= I-3382], MM6580 [= I-3383](missing)  
*Neocrioceras* (?) *sanushibense* Wright and Matsumoto: MM6582 [= I-340](missing)  
*Ryugasella ryugasensis* Wright and Matsumoto: MM6584 [= I-2861], MM6585 [= I-2863], MM6586 [= I-2865], MM6587 [= I-3587], MM6588 [= I-3588], MM6589 [= I-3589], MM7525 [= I-127]  
*Eogunnarites unicus* (Yabe): MM6593 [= I-3714]

YABE

Yabe, H. (1902): Note on three Upper Cretaceous ammonites from Japan, outside of Hokkaido. *Jour. Geol. Soc. Tokyo*, vol.9, pp.1-7, pl.1.

MM7478. *Pravitoceras sigmoidale* Yabe, p.3, pl.1, fig.2. Syntype.

MM7479. *Pravitoceras sigmoidale* Yabe, p.3, pl.1, fig.3. Syntype.

MM7480. *Peroniceras amakusense* Yabe, p.4, pl.1, fig.1a,b. Lectotype.

Yabe, H. (1903a): On a Fusulina-limestone with *Helicoprion* in Japan.

*Jour. Geol. Soc. Tokyo*, vol.10, no.113, pp.1-13, pl.2.

PV7477. *Helicoprion Bessonowi* Karpinsky, p.8, pl.2.

Yabe, H. (1903b): Cretaceous Cephalopoda from the Hokkaidō. Part I. *Lytoceras*, *Gaudryceras* and *Tetragonites*. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.18, art.2, pp.1-55, pls.1-7.

MM7459. [= I-209] *Tetragonites* cfr. *epigonus* Kossmat, p.49, pl.7, fig.3.

MM7460. [= I-207] *Tetragonites popetensis* Yabe, p.48, pl.7, fig.4a,b. Holotype. (missing)

MM7461. [= I-205] *Tetragonites glabrus* Jimbo, p.43, pl.7, fig.2.

MM7462. [= I-201] *Gaudryceras yamashitai* Yabe, p.38, pl.4, fig.7. Holotype.

MM7463. [= I-208] *Gaudryceras yokoyamai* Yabe, p.36, pl.6, fig.2a,b. Paratype.

MM7464. [= I-197] *Gaudryceras yokoyamai* Yabe, p.36, pl.6, fig.1a,b. Holotype.

MM7465. *Gaudryceras limatum* Yabe, p.34, pl.6, fig.3a,b. Holotype.

MM7466. *Gaudryceras limatum* Yabe, p.34, pl.5, fig.2. Paratype.

MM7467. [= I-192] *Gaudryceras striatum* var. *picta* Yabe, p.33, pl.4, fig. 6a-c. Holotype.

MM7468. [= I-191] *Gaudryceras striatum* Jimbo, p.31, pl.4, fig.5.

MM7469. [= I-189] *Gaudryceras crassicostatum* Jimbo, p.29, pl.4, fig.4.

MM7470. *Gaudryceras tenuiliratum* var. *infrequens* Yabe, p.28, pl.4, fig. 3a,b. Syntype. (missing)

MM7471. [= I-654] *Gaudryceras tenuiliratum* var. *intermedia* Yabe, p.28, pl.3, fig.1a,b. Syntype. (missing)

MM7472. *Gaudryceras tenuiliratum* var. *ornata* Yabe, p.24, pl.3, fig.2a,b. Syntype. (missing)

MM7473. *Gaudryceras tenuiliratum* Yabe, p.19, pl.3, fig.3. Paralectotype.

YABE

Yabe, H. (1903b): continued

- MM7474. *Gaudryceras tenuiliratum* Yabe, p.19, pl.3, fig.4. Paralectotype.  
 MM7475. [= I-173] *Lytoceras imperiale* Yabe, p.11, pl.2, fig.1. Holotype.  
 MM7476. *Lytoceras ezoense* Yabe, p.9, pl.1, fig.1. Holotype.  
 MM7540. [= I-206] *Tetragonites sphaeronotus* Jimbo, p.45, pl.7, fig.1a,b.  
 MM7541. [= I-208] *Tetragonites popetensis* Yabe, p.48, pl.7, fig.6. Paratype.

Yabe, H. (1904): Cretaceous Cephalopoda from the Hokkaidō. Part II. Turrilites, Helicoceras, Heteroceras, Nipponites, Olcostephanus, Desmoceras, Hauericeras, and an undetermined genus. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.20, art.2, pp.1-45, pls.1-6.

- MM7548. [= I-231] *Turrilites* cfr. *bergeri* Brongniart, p.4, pl.3, fig.1.  
 MM7549a. [= I-233] *Helicoceras scalare* Yabe, p.9, pl.3, fig.2. Holotype.  
 MM7549b. [= I-234] *Helicoceras scalare* Yabe, p.9, pl.3, fig.3a-c. Paratype.  
 MM7551. [= I-239] *Helicoceras* (?) *venustum* Yabe, p.11, pl.3, fig.4. Paratype.  
 MM7552. [= I-240] *Helicoceras* (?) *venustum* Yabe, p.11, pl.5, fig.1. Holotype.  
 MM/553. [= I-241] *Heteroceras* (?) *Oshimai* Yabe, p.12, pl.3, fig.5. Holotype.  
 MM7554. [= I-242] *Heteroceras* (?) *Oshimai* Yabe, p.12, pl.3, fig.6. Paratype.  
 MM7555. [= I-243] *Heteroceras* (?) *Otsukai* Yabe, p.14, pl.4, fig.1. Holotype.  
 MM7556. [= I-244] *Heteroceras* (?) *Otsukai* Yabe, p.14, pl.4, fig.2. Paratype.  
 MM7557. [= I-245] *Heteroceras* (?) *Otsukai* var. *multicostata* Yabe, p.16, pl.4, fig.3. Paratype.  
 MM7558. [= I-246] *Heteroceras* (?) *Otsukai* var. *multicostata* Yabe, p.16, pl.3, fig.9. Holotype.  
 MM7559. [= I-249] *Heteroceras* (?) *japonicum* Yabe, p.17, pl.3, fig.8. Holotype.  
 MM7560. [= I-253] *Nipponites mirabilis* Yabe, p.20, pl.4, figs.4-7. Holotype.  
 MM7561. [= I-254] *Ammonites Kotoi* Yabe, p.26, pl.6, fig.3,3a. Holotype.  
 MM7572. [= I-251] *Heteroceras* (?) *orientale* Yabe, p.19, pl.3, fig.7. Holotype.



YABE

Yabe, H. (1904): continued

- MM7573. [= I-257] *Hauericeras angustum* Yabe, p.33, pl.5, fig.5a,b. Holotype.
- MM7574. [= I-260] *Desmoceras Dawsoni* Whiteaves var. *japonica* Yabe, p.35, pl.5, fig.3a,b. Holotype.
- MM7456. [= I-261,262] *Desmoceras poronaicum* Yabe, p.39, pl.6, fig.1a,b. Holotype.
- MM7457. [= I-255] *Olcostephanus unicus* Yabe, p.28, pl.6, fig.5a,b. Holotype.
- MM7458. [= I-232] *Turrilites Komotai* Yabe, p.7, pls.1,2. Holotype.

Yabe, H. (1905): Mesozoic plants from Korea. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.20, art.8, pp.1-59, pls.1-4.

MP7455. *Coniopteris* sp., p.26, pl.4, fig.12.

Other type and illustrated specimens are not registered and now missing.

Yabe, H. (1908): On the occurrence of the genus *Gigantopteris* in Korea. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.23, art.9, pp.1-8, pl.1.

PP7453. *Gigantopteris nicotiaenifolia* Schenk, p.5, pl.1, fig.2.

PP7454. *Gigantopteris nicotiaenifolia* Schenk, p.5, pl.1, fig.4.

Yabe, H. (1910): Die Scaphiten aus der Oberkreide von Hokkaido. *Beitr. Paläont. Geol. Österreich-Ungarns und des Orients*, vol.23, pp.159-174, pl.15.

MM7450. *Yezoites puerculus* Jimbo, p.170, pl.15, fig.22. (missing)

MM7451. *Yezoites puerculus* var. *teshioensis* Yabe, p.171, pl.15, fig.26. Syntype. (missing)

MM7452. *Yezoites* sp., p.162, pl.15, fig.30. (missing)

MM7518. [= I-108] *Yezoites Perrini* Anderson, p.172, pl.15, fig.29. [see also Jimbo (1894)]

MM7576. [= I-281] *Scaphites* (?) *pseudoequalis* Yabe, p.163, pl.15, fig.1. Syntype.

MM7577. [= I-283] *Scaphites* (?) *pseudoequalis* Yabe, p.163, pl.15, fig.2a,b. Syntype.

MM7578. [= I-286] *Scaphites* (?) *Yonekurai* Yabe, p.165, pl.15, fig.4a,b. Syntype.

YABE

Yabe, H. (1910): continued

- MM7579. [= I-287] *Scaphites* (?) *Yonekurai* Yabe, p.165, pl.15, fig.5a,b. Syntype.
- MM7581. [= I-290] *Scaphites* (?) *gracilis* Yabe, p.166, pl.15, fig.9. Holotype.
- MM7582. [= I-291] *Scaphites* (?) *formosus* Yabe, p.166, pl.15, fig.8a,b. Holotype.
- MM7583. [= I-292] *Yezoites planus* Yabe, p.167, pl.15, fig.14a,b. Syntype.
- MM7584. [= I-293, Cr.105] *Yezoites planus* Yabe, p.167, pl.15, fig.12a,b. Syntype.
- MM7585. [= I-294] *Yezoites planus* Yabe, p.167, pl.15, fig.15a,b. Syntype.
- MM7586. [= I-295] *Yezoites planus* Yabe, p.167, pl.15, fig.16. Syntype.
- MM7587. [= I-296] *Yezoites planus* Yabe, p.167, pl.15, fig.13a,b. Syntype.
- MM7588. [= I-297] *Yezoites planus* Yabe, p.167, pl.15, fig.11a,b. Syntype.
- MM7589. [= I-298] *Yezoites planus* Yabe, p.167, pl.15, fig.17. Syntype.
- MM7590. [= I-299] *Yezoites planus* Yabe, p.167, pl.15, fig.18. Syntype.
- MM7591. [= I-300] *Yezoites planus* var. *gigas* Yabe, p.169, pl.15, fig.19. Holotype.
- MM7592. [= I-302] *Yezoites puerculus* Jimbo, p.170, pl.15, fig.20a,b.
- MM7593. [= I-303, Cr.323] *Yezoites puerculus* Jimbo, p.170.
- MM7594. [= I-304] *Yezoites puerculus* Jimbo, p.170, pl.15, fig.21a,b.
- MM7595. [= I-305] *Yezoites puerculus* var. *teshioensis* Yabe, p.171, pl.15, fig.25a,b. Syntype.
- MM7596. [= I-306] *Yezoites puerculus* var. *teshioensis* Yabe, p.171, pl.15, fig.23. Syntype.
- MM7597. [= I-309] *Yezoites puerculus* var. *teshioensis* Yabe, p.171, pl.15, fig.24. Syntype.
- MM7598. *Yezoites Perrini* Anderson, p.172, pl.15, fig.28.

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Yokoyama, M. (1891a): On some fossil plants from the coal-bearing series of Nagato. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.4, pp.239-247, pls. 32-34.

MP6901. *Asplenium Roesserti* Presl., p.241, pl.32, fig.3.

MP6902. *Dictyophyllum japonicum* Yokoyama, p.243, pl.33, fig.2. Syntype.

MP6903. *Podozamites lanceolatus* Lindl., p.245, pl.34, fig.3.

Other type and illustrated specimens are not registered and now missing.

Yokoyama, M. (1891b): On some Cretaceous fossils from Shikoku. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.4, pp.357-366, pl.40.

MM6904.\* *Trigonia pocilliformis* Yokoyama, p.361, pl.40, fig.1a,b. Syntype.  
[repository of original specimen unknown]

Other type and illustrated specimens are not registered and now missing.

Yokoyama, M. (1894): Mesozoic plants from Kōzuke, Kii, Awa, and Tosa. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.7, pp.201-231, pls.20-28.

MP6905. *Thyrsopteris* sp., p.213, pl.23, fig.2.

MP6906. *Nilssonia Johnstrupi* Heer, p.226, pl.25, fig.1.

Other type and illustrated specimens are not registered and now missing.

Yokoyama, M. (1904a): On some Jurassic fossils from Rikuzen. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.18, art.6, pp.1-13, pls.1,2.

MM6907. *Belemnites* sp., p.8, pl.2, fig.12. (missing)

MM6908. *Trigonia V-costata* Lycett, p.8, pl.2, fig.2.

MM6909. *Trigonia V-costata* Lycett, p.8, pl.2, fig.3.

MP6910. *Baiera* ? sp., p.10, pl.1, fig.2.

MM6918. *Gervillia trigona* Yokoyama, p.12, pl.2, fig.8. Paralectotype.

MM7076. *Harpoceras Ikianum* Yokoyama, p.5, pl.1, fig.5a,b. Holotype.

MM7077. *Schlotheimia Jimboi* Yokoyama, p.4, pl.1, fig.6a,b. Holotype.

MM7078. *Belemnites* sp., p.9, pl.1, fig.7a,b.

MM7079a. *Belemnopsis* sp., p.9, pl.2, fig.1a,b.

MM7079b. *Belemnopsis* sp., p.9, pl.2, fig.6a,b.

MM7080. *Lytoceras* cf. *lineatum* Schlotheim, p.6, pl.2, fig.5.

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Yokoyama, M. (1904a): continued

- MM7081. *Ammonites* sp., p.7, pl.2, fig.11.
- MM7082. *Ammonites* sp., p.7, pl.2, fig.10.
- MM7173. *Cyrena elliptica* Yokoyama, p.11, pl.1, fig.4a,b. Holotype.
- MM7174. *Trigonia hosourensis* Yokoyama, p.11, pl.1, fig.3a-c. Lectotype.
- MM7175. *Gervillia trigona* Yokoyama, p.12, pl.2, fig.7. Lectotype.
- MM7176. *Perna rikuzenica* Yokoyama, p.13, pl.1, fig.1a,b. Holotype.
- MM7177. [=MM4324] *Trigonia V-costata* Lycett, p.8, pl.2, fig.4.
- MM7178. *Cyrena lunulata* Yokoyama, p.10, pl.2, fig.9. Holotype.

Yokoyama, M. (1904b): Jurassic ammonites from Echizen and Nagato. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.19, art.20, pp.1-17, pls.1-4.

- MM6911. *Oppelia echizenica* Yokoyama, p.8, pl.1, fig.7,7a. Holotype. (missing)
- MM7052. *Perisphinctes (Grossouvria) Hikii* Yokoyama, p.5, pl.1, fig.2. Syntype.
- MM7053. *Perisphinctes (Grossouvria) Hikii* Yokoyama, p.5, pl.1, fig.3. Syntype.
- MM7054. *Perisphinctes (Procerites) Matsushimai* Yokoyama, p.3, pl.1, fig.1. Holotype.
- MM7055. *Perisphinctes (Biplices ?) Kochibei* Yokoyama, p.7, pl.1, fig.5. Holotype.
- MM7056. *Perisphinctes (Biplices) kaizaranus* Yokoyama, p.6, pl.1, fig.4, 4a. Holotype.
- MM7057. *Perisphinctes (Ataxioceras)* sp., p.8, pl.1, fig.6.
- MM7058. *Hildoceras chrysanthemum* Yokoyama, p.11, pl.2, fig.1. Lectotype.
- MM7059. *Hildoceras chrysanthemum* Yokoyama, p.11, pl.2, fig.2. Paralectotype.
- MM7060. *Hildoceras chrysanthemum* Yokoyama, p.11, pl.2, fig.3. Paralectotype.
- MM7061. *Hildoceras chrysanthemum* Yokoyama, p.12, pl.2, fig.4. Paralectotype.
- MM7062. *Hildoceras Inouyei* Yokoyama, p.13, pl.2, fig.5. Paralectotype.
- MM7063. *Hildoceras Inouyei* Yokoyama, p.13, pl.2, fig.6. Lectotype.
- MM7064. *Hildoceras densicostatum* Yokoyama, p.12, pl.3, fig.1. Lectotype.
- MM7065. *Hildoceras densicostatum* Yokoyama, p.12, pl.3, fig.2. Paralectotype.

YOKOYAMA

Yokoyama, M. (1904b): continued

- MM7066. *Coeloceras subfibulatum* Yokoyama, p.15, pl.3, fig.6. Lectotype.
- MM7067. *Coeloceras subfibulatum* Yokoyama, p.15, pl.3, fig.3. Paralectotype.
- MM7068. *Coeloceras subfibulatum* Yokoyama, p.15, pl.3, fig.4. Paralectotype.
- MM7069. *Coeloceras subfibulatum* Yokoyama, p.15, pl.3, fig.5. Paralectotype.
- MM7070. *Harpoceras* sp., p.14, pl.4, fig.1.
- MM7071. *Harpoceras* sp., p.15, pl.4, fig.2.
- MM7072. *Grammoceras* (?) *Okadai* Yokoyama, p.14, pl.4, fig.3. Holotype.
- MM7073. *Dactylioceras helianthoides* Yokoyama, p.16, pl.4, fig.6. Lectotype.
- MM7074. *Dactylioceras helianthoides* Yokoyama, p.16, pl.4, fig.4. Paralectotype.
- MM7075. *Dactylioceras helianthoides* Yokoyama, p.16, pl.4, fig.5. Paralectotype.

Yokoyama, M. (1905): Mesozoic plants from Nagato and Bitchu. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.20, art.5, pp.1-13, pls.1-3.

- MP6912. *Dictyophyllum Kochibei* Yokoyama, p.6, pl.1, fig.5. Syntype.
- MP6913. *Dictyophyllum Kochibei* Yokoyama, p.6, pl.2, fig.1. Syntype.
- MP6914. *Nilssonina Inouyei* Yokoyama, p.9, pl.2, fig.4. Syntype.
- MP6915. *Nilssonina* sp., p.12, pl.3, fig.8.

Other type and illustrated specimens are not registered and now missing.

Yokoyama, M. (1906): Mesozoic plants from China. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.21, art.9, pp.1-39, pls.1-12.

- MP6916. *Todites Williamsoni* (Brong.), p.18, pl.3, fig.1.
- MP6917. *Dioonites Brongniarti* (Mant.), p.33, pl.11, fig.1.
- MP7179. *Todites Williamsoni* (Brong.), p.28, pl.8, fig.1.
- MP7180. *Ginkgo flabellata* Heer, p.27, pl.7, fig.7.
- MP7181. *Podozamites lanceolatus* (Lindl. and Hutt.), p.22, pl.4, fig.2.
- MP7182a. *Baiera gracilis* Bunbury, p.30, pl.9, fig.2a.
- MP7182b. *Ginkgo lepida* Heer, p.31, pl.9, fig.2b.

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Yokoyama, M. (1906): continued

- MP7183. *Ginkgo* sp., p.34, pl.11, fig.4.
- MP7184. *Czekanowskia Murrayana* (Lindl. and Hutt.), p.31, pl.10, fig.1.
- MP7185. *Cladophlebis* sp., p.14, pl.1, fig.9.
- MP7186. *Coniopteris hymenophylloides* (Brongn.), p.26, pl.7, fig.1.
- MP7187. *Podozamites lanceolatus* (Lindl. and Hutt.), p.22, pl.4, fig.6.
- MP7188. *Podozamites lanceolatus* (Lindl. and Hutt.), p.22, pl.4, fig.5.
- MP7189. *Phoenicopsis latior* Heer, p.21, pl.4, fig.4.
- MP7190. *Ctenis Kaneharai* Yokoyama, p.29, pl.9, fig.1. Holotype.
- MP7191. *Glossozamites Hoheneggeri* (Schenk.), p.36, pl.12, fig.1.
- MP7192a. *Cladophlebis* sp., p.37, pl.12, fig.2.
- MP7192b. *Glossozamites Hoheneggeri* (Schenk.), p.37, pl.12, fig.5.
- MP7192c. *Glossozamites acuminatus* Yokoyama, p.38, pl.12, fig.5. Syntype.
- MP7193. *Cladophlebis* sp., p.23, pl.4, fig.7.
- MP7194. *Nilssonina* ? sp., p.23, pl.4, fig.11.

Other type and illustrated specimens are not registered and now missing.

Yokoyama, M. (1908): Palaeozoic plants from China. *Jour. Coll. Sci. Imp. Univ. Tokyo*, vol.23, art.8, pp.1-18, pls.1-7.

- PP8021. *Calamites* ? sp., p.8, pl.1, fig.1.
- PP8022. *Calamites* ? sp., p.8, pl.1, fig.2.
- PP8023. *Calamites* sp., p.8, pl.2, fig.6.
- PP8024. *Neuropteris flexuosa* Sternb., p.9, pl.2, fig.2.
- PP8025. *Sigillaris* sp., p.12, pl.2, fig.4.
- PP8026. *Neuropteris flexuosa* Sternb., p.9, pl.2, fig.3.
- PP8027a. *Neuropteris flexuosa* Sternb., p.9, pl.2, fig.7a.
- PP8027b. *Neuropteris Scheuchzeri* Hoffm., p.10, pl.2, fig.7b.
- PP8028. *Lepidodendron* ? sp., p.16, pl.3, fig.2.
- PP8029a. *Neuropteris flexuosa* Sternb., p.9, pl.3, fig.3a.
- PP8029b. *Cordites principalis* (Germ.), p.13, pl.3, fig.3b.
- PP8030. *Calamites Cistii* Brongn., p.13, pl.4, fig.2.
- PP8031. *Calamites Cistii* Brongn., p.13, pl.4, fig.3.
- PP8032. *Pecopteris arborescens* (Schloth.), p.14, pl.4, fig.4.
- PP8033. *Cordites principalis* (Germ.), p.16, pl.5, fig.1.

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Yokoyama, M. (1908): continued

PP8034. *Calamites* sp., p.15, pl.5, fig.4.

PP8035. *Calamites* sp., p.15, pl.5, fig.3.

PP8036. *Cordites principalis* (Germ.), p.16, pl.6, fig.1.

PP8037. *Cordites principalis* (Germ.), p.16, pl.6, fig.2.

PP8038. *Lipidodendron oculis felis* (Abbado.), p.11, pl.3, fig.1.

Other type and illustrated specimens are not registered and now missing.

## INDEX OF TAXONOMIC NAMES



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\* In this index taxonomic names of type and illustrated specimens  
\* of Paleozoic and Mesozoic fossils registered in the Department of  
\* Historical Geology and Palaeontology are classified into higher  
\* taxonomic groups (mainly classes) and alphabetically listed. Each  
\* taxonomic name is followed by author name and date of relevant  
\* descriptive paper and register number(s). The spelling of taxonomic  
\* names in original descriptions, if nomenclaturally incorrect, is not  
\* amended here. See the preceding "List of type and illustrated  
\* specimens by papers" (pp.5-303) for further details.  
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#### PALEOZOIC PLANTAE

- Calamites Cistii*: Yokoyama, 1908 [PP8030,8031]  
*Calamites* sp.: Yokoyama, 1908 [PP8023,8034,8035]  
*Calamites?* sp.: Yokoyama, 1908 [PP8021,8022]  
*Cordites principalis*: Yokoyama, 1908 [PP8029b,8033,8036,8037]  
*Gigantopteris nicoriaenifolia*: Yabe, 1908 [PP7453,7454]  
*Lepidodendron?* sp.: Yokoyama, 1908 [PP8028]  
*Lepidodendron oculis felis*: Yokoyama, 1908 [PP8038]  
*Mizzia velebitana*: Ozawa, 1925b [PP9414a]  
*Neuropteris flexuosa*: Yokoyama, 1908 [PP8024,8026,8027a,8029a]  
*Neuropteris Scheuchzeri*: Yokoyama, 1908 [PP8027b]  
*Neuropteris* sp.: Otuka, 1941 [PP0483]  
*Pecopteris arborescens*: Yokoyama, 1908 [PP8032]  
*Pecopteris(?)* sp.: Kobayashi, 1933b [PP0432b]  
*Sigillaris* sp.: Yokoyama, 1908 [PP8025]  
*Sphenophyllum oblongifolium*: Otuka, 1941 [PP0480]

#### MESOZOIC PLANTAE

- Asplenium Roesserti*: Yokoyama, 1891a [MP6901]  
*Baiera gracilis*: Yokoyama, 1906 [MP7182a]  
*Baiera?* sp.: Yokoyama, 1904a [MP6910]  
*Cladophlebis* sp.: Yokoyama, 1906 [MP7185,7192a,7193]  
*Coniopteris hymenophylloides*: Yokoyama, 1906 [MP7186]  
*Coniopteris* sp.: Yabe, 1905 [MP7455]  
*Ctenis Kanerarai*: Yokoyama, 1906 [MP7190]  
*Ctenis* cfr. *Uwatokoi*: Oyama, 1954 [MP4869]  
*Czekanowskia Murrayana*: Yokoyama, 1906 [MP7184]  
*Dictyophyllum japonicum*: Yokoyama, 1891a [MP6902]  
*Dictyophyllum Kochibei*: Yokoyama, 1905 [MP6912,6913]  
*Dioonites Brongniarti*: Yokoyama, 1906 [MP6917]  
*Ginkgo flabellata*: Yokoyama, 1906 [MP7180]  
*Ginkgo lepida*: Yokoyama, 1906 [MP7182b]

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Mesozoic Plantae (continued)

- Ginkgo* sp.: Yokoyama, 1906 [MP7183]  
*Glossozamites acuminatus*: Yokoyama, 1906 [MP7192c]  
*Glossozamites Hoheneggeri*: Yokoyama, 1906 [MP7191,7192b]  
*Glossozamites* cfr. *Hoheneggeri*: Oyama, 1954 [MP4868]  
*Nilssonina Inouyei*: Yokoyama, 1905 [MP6914]  
*Nilssonina Johnstrupi*: Yokoyama, 1894 [MP6906]  
*Nilssonina* cfr. *orientalis*: Oyama, 1954 [MP4864]  
*Nilssonina* cfr. *sinensis*: Oyama, 1954 [MP4863]  
*Nilssonina* sp.: Yokoyama, 1905 [MP6915]  
*Nilssonina?* sp.: Yokoyama, 1906 [MP7194]  
*Phoenicopsis latior*: Yokoyama, 1906 [MP7189]  
*Podozamites lanceolatus*: Yokoyama, 1891a [MP6903], Yokoyama, 1906 [MP7181, 7187,7188]  
*Pterophyllum* n. sp. a: Oyama, 1954 [MP4861b]  
*Pterophyllum* n. sp. b: Oyama, 1954 [MP4862]  
*Ptilophyllum pecten*: Oyama, 1954 [MP4861a]  
*Taeniopteris* sp.: Oyama, 1954 [MP4870]  
*Thyrsopteris* sp.: Yokoyama, 1894 [MP6905]  
*Todites Williamsoni*: Yokoyama, 1906 [MP6916,7179]  
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*Zamites Yabei*: Oyama, 1954 [MP4866,4867]

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PALEOZOIC FORAMINIFERIDA

- Bigenerina sumatrana*: Ozawa, 1925b [PF9415]  
*Cancellina kobayashii*: Toriyama, 1947b [PF9565c,9567c,9572b,9572c,9578-9581]  
*Cancellina tosayamensis*: Toriyama, 1947b [PF9571b,9577b,9585]  
*Doliolina iisakai*: Toriyama, 1947b [PF9567b,9572a,9573,9574a]  
*Doliolina* sp. (?): Toriyama, 1947b [PF9577a]  
*Doliolina tosensis*: Toriyama, 1947b [PF9574b]  
*Eoschubertella inominsensis*: Toriyama, 1945 [PF9533c,9533d,9536c,9540b, 9541c,9542b,9555]  
*Eoschubertella magna*: Toriyama, 1945 [PF9537b,9549,9550,9551a,9552]  
*Eoschubertella minima*: Toriyama, 1945 [PF9551b,9556]

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- Eoschubertella obscura*: Toriyama, 1941b [PF9467c,9467d], Toriyama, 1944 [PF9522-9526], Toriyama, 1947a [PF9559a,9560a]
- Fusulina konnoi*: Toriyama, 1944 [PF9519]
- Fusulina lanceolata*: Toriyama, 1944 [PF9516,9517]
- Fusulina (Schellwienia) prisca* var. *chinensis*: Ozawa, 1923 [PF9403]
- Fusulina (Schellwienia) watanabei*: Ozawa, 1923 [PF9404,9405]
- Fusulina sinkaiensis*: Toriyama, 1942b [PF9481]
- Fusulina* sp.: Toriyama, 1944 [PF9520]
- Fusulinella biconica*: Ozawa, 1925a [PF9406], Ozawa, 1925b [PF9406], Toriyama, 1945 [PF9416,9417]
- Fusulinella* cfr. *biconica*: Toriyama, 1945 [PF9540a,9541a,9541b,9542a,9543-9547]
- Fusulinella bocki*: Toriyama, 1944 [PF9504-9506,9507a,9507b,9508]
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- Fusulinella colanii*: Toriyama, 1944 [PF9511]
- Fusulinella compressa*: Toriyama, 1944 [PF9512-9514]
- Fusulinella deprati*: Ozawa, 1927c [PF1255,1256]
- Fusulinella* cfr. *fittsi*: Toriyama, 1947a [PF9558a]
- Fusulinella parva*: Toriyama, 1941b [PF9471,9472]
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- Fusulinella* sp.: Toriyama, 1941b [PF9467b,9473], Toriyama, 1944 [PF9515],
- Fusulinella?* sp.: Toriyama, 1945 [PF9548]
- Glomospira* cf. *gordialis*: Ozawa, 1925b [PF9414b]
- Glomospira* cf. *pusilla*: Ozawa, 1925b [PF9412b]
- Lagen* sp.: Ozawa, 1925b [PF9412c]
- Neoschwagerina craticulifera*: Ozawa, 1925b [PF9402], Ozawa, 1927a [PF9454a,9454b,9461,9462], Ozawa, 1927b [PF9454a], Toriyama, 1942b [PF9488], Toriyama, 1944 [PF9531], Toriyama, 1947b [PF9582,9586-9588]
- Neoschwagerina craticulifera* var. *spheroidea*: Ozawa, 1922 [PF9402]
- Neoschwagerina douvillei*: Ozawa, 1925a [PF9409], Ozawa, 1925b [PF9452], Toriyama, 1947b [PF9592]
- Neoschwagerina globosa*: Ozawa, 1927b [PF9456], Ozawa, 1927a [PF9456,9464]
- Neoschwagerina iisakai*: Toriyama, 1947b [PF9566b,9567c,9590,9597-9599]
- Neoschwagerina katoi*: Ozawa, 1927b [PF9455,9458], Ozawa, 1927a [PF9455,9458,9463]
- Neoschwagerina margaritae*: Ozawa, 1927b [PF9457a], Ozawa, 1927a [PF9457a,9457b], Toriyama, 1942b [PF9484-9487], Toriyama, 1947b [PF9589,9595]

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Paleozoic Foraminiferida (continued)

- Neoschwagerina megasphaerica*: Ozawa, 1925a [PF9410], Ozawa, 1925b [PF9410]  
*Neoschwagerina staffelloides*: Toriyama, 1947b [PF9596]  
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*Neoschwagerina (Yabeina) shiraiwensis*: Ozawa, 1925a [PF9411]  
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*Ozawainella angulata*: Toriyama, 1941b [PF9467a,9468-9470], Toriyama, 1944 [PF9502,9503]  
*Ozawainella* cfr. *angulata*: Toriyama, 1945 [PF9532,9533a,9533b,9534]  
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*Pseudodoliolina* sp.: Toriyama, 1942a [PF9474-9476]  
*Pseudoschwagerina* sp.: Toriyama, 1947b [PF9566a,9567a]  
*Schellwienia ambigua*: Ozawa, 1925b [PF9429]  
*Schellwienia crassiseptata*: Ozawa, 1925b [PF9435a,9435b]  
*Schellwienia deprati*: Ozawa, 1925b [PF9432,9433]  
*Schellwienia edoensis*: Ozawa, 1925b [PF9427,9428]  
*Schellwienia gigantea*: Ozawa, 1925b [PF9431]  
*Schellwienia gracilis*: Ozawa, 1927c [PF1257a,1257b]  
*Schellwienia granum-avenae*: Ozawa, 1925b [PF9426], Ozawa, 1927a [PF9459, 9460]  
*Schellwienia haydeni*: Ozawa, 1925b [PF9440,9441]  
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*Schellwienia kaerimizensis*: Ozawa, 1925b [PF9430]  
*Schellwienia* cf. *kattaensis*: Ozawa, 1925b [PF9421a]  
*Schellwienia krafftii*: Ozawa, 1925b [PF9422]  
*Schellwienia krotowi*: Ozawa, 1925b [PF9423,9424]  
*Schellwienia lepida*: Ozawa, 1925b [PF9419b]  
*Schellwienia lutugini*: Ozawa, 1925b [PF9419b]  
*Schellwienia montipara*: Ozawa, 1925b [PF9442]  
*Schellwienia* n sp.: Ozawa, 1925b [PF9449]  
*Schellwienia oblonga*: Ozawa, 1925b [PF9448]  
*Schellwienia ominensis*: Ozawa, 1925b [PF9446a,9446b]  
*Schellwienia prisca*: Ozawa, 1925b [PF9438]  
*Schellwienia* cf. *prisca* var. *parvula*: Ozawa, 1925b [PF9439]  
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### Paleozoic Foraminiferida (continued)

- Schellwienia satoi*: Ozawa, 1925b [PF9421b,9447]  
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*Schellwienia yobarensis*: Ozawa, 1925b [PF9420b,9420c]  
*Schwagerina alpina* var. *communis*: Toriyama, 1944 [PF9529]  
*Schwagerina* cf. *lutugini*: Toriyama, 1947b [PF9565b]  
*Schwagerina muongthensis*: Ozawa, 1925b [PF9450]  
*Schwagerina prisca*: Toriyama, 1941a [PF9465,9466], Toriyama, 1944 [PF9528]  
*Schwagerina* sp.: Toriyama, 1944 [PF9530]  
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*Staffella* sp.: Toriyama, 1947b [PF9565a]  
*Staffella yobarensis*: Ozawa, 1925b [PF9419a,9420a]  
*Tetrataxis conica*: Ozawa, 1925b [PF9414c]  
*Triticites cullomensis*: Toriyama, 1947a [PF9558b,9559c,9559d,9560-9562]  
*Triticites minimus*: Toriyama, 1942b [PF9478a,9478b]  
*Triticites* cfr. *powwowensis*: Toriyama, 1947a [PF9563]  
*Triticites* sp.: Toriyama, 1942b [PF9480]  
*Triticites?* sp.: Toriyama, 1947a [PF9564]  
*Triticites truncatus*: Toriyama, 1942b [PF9479]  
*Verbeekina claudiae*: Ozawa, 1925a [PF9407,9408], Ozawa, 1925b [PF9407,9408]  
*Verbeekina douvillei*: Ozawa, 1922 [PF9400]  
*Verbeekina katoi*: Toriyama, 1947b [PF9568-9570]  
*Verbeekina sliciae*: Ozawa, 1925c [PF9413]  
*Verbeekina(?)* sp.: Toriyama, 1947b [PF9571a]  
*Verbeekina verbeeki*: Ozawa, 1925b [PF9400,9451]  
*Yabeina hayasakai*: Ozawa, 1922 [PF9401]  
*Yabeina shiraiwensis*: Ozawa, 1925b [PF9411,9412a,9453], Toriyama, 1942b [PF9489a,9489b,9490-9495]  
*Yabeina yasubaensis*: Toriyama, 1942b [PF9497a,9497b,9498-9500]

### MESOZOIC RADIOLARIA

- Carposphaera* a sp.: Kimura, 1944b [MF9606b]

PROTISTA - PORIFERA - COELENTERATA

Mesozoic Radiolaria (continued)

- Carposphaera* sp.: Kimura, 1944a [MF9605a]  
*Cenellipsis* cfr. *gigantea*: Kimura, 1944b [MF9606c]  
*Cenosphaera* cfr. *regularis*: Kimura, 1944b [MF9606a]  
*Cenosphaera* sp.: Kimura, 1944a [MF9604a]  
*Cenosphaera tumida*: Kimura, 1944c [MF9612b]  
*Cornutella*(?) sp.: Kimura, 1944c [MF9610]  
*Dicolocapsa* a sp.: Kimura, 1944a [MF9605e]  
*Dicolocapsa* b sp.: Kimura, 1944a [MF9604e]  
*Dicolocapsa*(?) c sp.: Kimura, 1944a [MF9604f]  
*Dicolocapsa* d sp.: Kimura, 1944b [MF9607b]  
*Dicolocapsa inclusa*: Kimura, 1944c [MF9611]  
*Dictyomitra* a sp.: Kimura, 1944c [MF9613]  
*Dictyomitra* cfr. *cretacea*: Kimura, 1944c [MF9612a]  
*Dictyomitra* cfr. *Haeckelli*: Kimura, 1944a [MF9404g]  
*Dorysphaera* sp.: Kimura, 1944a [MF9604b]  
*Ellipsoxiphus* sp.: Kimura, 1944a [MF9604d]  
*Halicapsa* sp.: Kimura, 1944a [MF9605d]  
*Porodiscus* sp.: Kimura, 1944a [MF9605c]  
*Rhopalastrum* sp.: Kimura, 1944b [MF9607a]  
*Staurolonchidium* sp.: Kimura, 1944a [MF9604c]  
*Stichocapsa*(?) sp.: Kimura, 1944b [MF9609]  
*Tetrahedrina* sp.: Kimura, 1944b [MF9608]  
*Xiphosphaera* sp.: Kimura, 1944a [MF9605b]

PORIFERA

PALEOZOIC PORIFERA

- Archaeoscyphia*-like sponge: Kobayashi, 1959 [PS2353]  
*Chancelloria exilis*: Saito, 1936 [PS1425,1426]

COELENTERATA

PALEOZOIC COELENTERATA

- Acanthohalysites kuraokensis*: Hamada, 1958 [PC7269]  
*Catenipora escharoides*: Hamada, 1957 [PC7301], Hamada, 1959a [PC7301]  
*Catenipora rubra*: Hamada, 1959a [PC7300]

## COELENTERATA - BRACHIOPODA

### Paleozoic Coelenterata (continued)

- Catenipora* sp.: Hamada, 1957 [PC7380]  
*Catenipora?* sp.: Hamada, 1958 [PC7250]  
*Conchopeltis? unicarinata*: Kobayashi, 1934b [PM0564]  
*Falsicatenipora japonica*: Hamada, 1958 [PC7251,7252]  
*Falsicatenipora shikokuensis*: Hamada, 1958 [PC7253a,7253b,7255-7258]  
*Favosites hidensis*: Hamada, 1959d [PC7301a-c,7302a,7303,7304,7305a,7305b,7306,7307,7308a,7308b,7308c,7309a,b]  
*Halysites bellulus*: Hamada, 1958 [PC7276]  
*Halysites cratus*: Hamada, 1958 [PC7271]  
*Halysites kitakamiensis*: Hamada, 1956 [PC7264a,7264b,7265]  
*Halysites nitida*: Hamada, 1957 [PC7379]  
*Halysites?* sp.: Hamada, 1958 [PC7278]  
*Halysites süssmilchi*: Hamada, 1958 [PC7272,7273]  
*Halysites tenuis*: Hamada, 1958 [PC7275]  
*Heterocaninia pauciradiale*: Hamada, 1960 [PC7321-7325]  
*Lithostrotion [Siphonodendron] cf. petalaxoidea*: Hamada, 1960 [PC7318-7320]  
*Quepora* cfr. *sindoensis*: Hamada, 1958 [PC7277]  
*Schedohalysites kitakamiensis*: Hamada, 1958 [PC7260-7262]  
*Wentzelella subtimorica*: Minato, 1944 [PC9601-9603]  
*Yatsengia* cf. *asiatica*: Hamada, 1960 [PC7326-7328]

### MESOZOIC COELENTERATA

- Trochocyathus (Platycyathus)* sp.: Hayami, Sugita and Nagumo, 1960 [MC3659-3661]

## BRACHIOPODA

### PALEOZOIC BRACHIOPODA

- Acrothele elliptica*: Kobayashi, 1935c [PB0920,0921]  
*Acrothele semiconica*: Kobayashi, 1935c [PB0922]  
*Acrothele* sp.: Kobayashi, 1951c [PB2044]  
*Acrotreta coreanica*: Saito, 1936 [PB1457-1464]  
*Acrotreta* cfr. *curvata*: Kobayashi, 1937c [PB1540,1541]  
*Acrotreta idahoensis*: Kobayashi, 1938c [PB1716]  
*Acrotreta venia*: Kobayashi, 1935c [PB0923]



# BRACHIOPODA

## Paleozoic Brachiopoda (continued)

- Acrotreta yongwolensis*: Kobayashi, 1962 [PB3987,3988]  
*Aluta chiushuensis*: Kobayashi, 1934a [PB0444]  
*Apheoorthis orientalis*: Kobayashi, 1960a [PB2358]  
*Apheoorthis(?)* sp.: Kobayashi, 1957d [PB2294a,2298a,2298b,2299a]  
*Athyris royssii*: Nonaka, 1944 [PB4777]  
*Billingsellidae*, gen. et sp. indef.: Saito, 1936 [PB1465]  
*Billingsella gigantea*: Kobayashi, 1936c [PB1374-1378]  
*Billingsella goettschei*: Kobayashi, 1933c [PB0328-0330]  
*Billingsella hsishanensis*: Kobayashi, 1933c [PB0331]  
*Billingsella jeholensis*: Kobayashi, 1951b [PB2004-2007]  
*Billingsella pumpellyi*: Kobayashi, 1935c [PB0926-0932]  
*Botsfordia granulata*: Saito, 1936 [PB1449-1454]  
*Brachythyryna thailandica*: Hamada, 1960 [PB7312]  
*Chonetes carbonifera*: Otuka, 1941 [PB1851-1856]  
*Clarkella flora*: Kobayashi, 1934c [PB0808,0809]  
*Clarkella floriformis*: Kobayashi, 1934c [PB0810,0811]  
*Clarkella vulgaris*: Kobayashi, 1934c [PB0802-0807], Kobayashi, 1960a [PB 2361]  
*Dalmanella(?)* sp.: Kobayashi, 1937c [PB1563,1564]  
*Dicellomus parvus*: Kobayashi, 1935c [PB0917]  
*Diorthis obispoensis*: Kobayashi, 1937c [PB1556-1558]  
*Eoorthis(?) coreanica*: Kobayashi, 1931b [PB0177,0178]  
*Eoorthis pagoda*: Kobayashi, 1933c [PB0332]  
*Eoorthis pagodiformis*: Kobayashi, 1933c [PB0333]  
*Eoorthis(?) putilliformis*: Kobayashi, 1935f [PB1336-1339]  
*Eoorthis(?) saishoensis*: Kobayashi, 1934c [PB0797-0799]  
*Eoorthis shakuotunensis*: Kobayashi, 1935c [PB0933,0935,0936]  
*Eoorthis(?)* sp.: Kobayashi, 1931b [PB0179], Kobayashi, 1960a [PB2356,2357]  
*Eoorthis?* sp.: Saito, 1936 [PB1466,1467]  
*Finkelburgia(?) manchurica*: Kobayashi, 1933c [PB0334-0336]  
*Finkelburgia samensis*: Kobayashi, 1937c [PB1544-1549]  
*Fusella* cf. *convoluta*: Hamada, 1960 [PB7313]  
*Huenella sexplicata*: Kobayashi, 1933c [PB0337]  
*Huenella(?) wanwanensis*: Kobayashi, Kobayashi, 1933a [PB0237,0238]

# BRACHIOPODA

## Paleozoic Brachiopoda (continued)

- Kitakamithyris buravasi*: Hamada, 1960 [PB7315,7316]  
*Lingula* sp.: Kobayashi, 1934b [PB0514,0515]  
*Lingula*(?) sp.: Kobayashi, 1961b [PB2496]  
*Lingulella chinchiaensis*: Kobayashi, 1933c [PB0327]  
*Lingulella dotensis*: Kobayashi, 1934c [PB0796]  
*Lingulella kayseri*: Kobayashi, 1931a [PB0099], Kobayashi, 1960b [PB2428]  
*Lingulella liui*: Kobayashi, 1931a [PB0100-0102]  
*Lingulella manchuriensis*: Kobayashi, 1935c [PB0916], Kobayashi, 1962 [PB 3984]  
*Lingulella marcia*: Kobayashi, 1931a [PB0097,0098]  
*Lingulella reticulata*: Kobayashi, 1933c [PB0325,0326]  
*Lingulella* sp.: Saito, 1936 [PB1443]  
*Lingulella* sp.: Kobayashi, 1938c [PB1715]  
*Lingulella?* sp.: Kobayashi, 1933c [PB1281]  
*Lingulella tomkolensis*: Kobayashi, 1934c [PB0795], Kobayashi, 1960a [PB 2354,2355]  
*Lingulella yingtzuensis*: Kobayashi, 1931a [PB0103]  
*Lingulepis shamojiformis*: Kobayashi, 1957d [PB2429]  
*Lingulepis*(?) sp.: Kobayashi, 1957d [PB2430]  
*"Linoproductus"* cf. *umariensis*: Hamada, 1960 [PB7317]  
*Martinia semiplana*: Ozawa, 1927c [PB1264]  
*Micromitra coamisculptilis*: Kobayashi, 1962 [PB3986]  
*Micromitra (Iphidella)* sp.: Saito, 1936 [PB1455,1456]  
*Nisusia cooperi*: Kobayashi, 1935c [PB0924,0925]  
*Nisusia paucicostellata*: Kobayashi, 1961b [PB2497,2498]  
*Notothyris nucleolus*: Nonaka, 1944 [PB4778]  
*Obolella* sp. aff. *Obolella asiatica*: Kobayashi, 1935c [PB0918,0919]  
*Obolella lunaris*: Saito, 1936 [PB1444-1448], Kobayashi and Kato [PB2053]  
*Obolopsis margaritae*: Saito, 1936 [PB1429-1438]  
*Obolus damesi*: Kobayashi, 1935c [PB0908]  
*Obolus* cf. *detritus*: Saito, 1936 [PB1439,1440]  
*Obolus huanhsilingensis*: Kobayashi, 1931a [PB0094]  
*Obolus* aff. *iron*: Kobayashi, 1938c [PB1713]  
*Obolus*(?) *ohuzumaki*: Kobayashi, 1933c [PB0321]  
*Obolus sankiensis*: Kobayashi, 1933c [PB0324]

## BRACHIOPODA

### Paleozoic Brachiopoda (continued)

- Obolus* cf. *shansiensis*: Kobayashi, 1935c [PB0909]  
*Obolus* sp.: Saito, 1936 [PB1441,1442]  
*Obolus* sp.: Kobayashi, 1938c [PB1714]  
*Obolus subcircus*: Kobayashi, 1935c [PB0906,0907]  
*Obolus taianensis*: Kobayashi, 1931a [PB0093], Kobayashi, 1960b [PB2427]  
*Obolus trigonalis*: Kobayashi, 1933c [PB0322,0323]  
*Obolus (Westonia)* a sp.: Kobayashi, 1935c [PB0913]  
*Obolus (Westonia)* b sp.: Kobayashi, 1935c [PB0914]  
*Obolus (Westonia)* cf. *blackwelderi*: Kobayashi, 1935c [PB0910-0912]  
*Obolus (Westonia)* *houtiensis*: Kobayashi, 1931a [PB0096]  
*Obolus (Westonia)* *leei*: Kobayashi, 1931a [PB0095]  
*Orthid*, a sp.: Kobayashi, 1937c [PB1692]  
*Orthid*, b sp.: Kobayashi, 1937c [PB1693]  
*Orthid*, gen. and sp. indet.: Kobayashi, 1951c [PB2045]  
*Orthis boliviensis*: Kobayashi, 1937c [PB1550-1552]  
*Orthis nipponica*: Kobayashi, 1934b [PB0516-0524]  
*Orthis otaviensis*: Kobayashi, 1937c [PB1553-1555]  
*Orusia saltensis*: Kobayashi, 1937c [PB1542,1543]  
*Orusia(?)* sp.: Kobayashi, 1940a [PB1812]  
*Palaeostrophia orthia*: Kobayashi, 1960b [PB2431]  
*Paterina coreanica*: Kobayashi, 1962 [PB3985]  
*Pomatotrema shinsoensis*: Kobayashi, 1934a [PB0440-0442]  
*Pomatotrema shinsonensis*: Kobayashi, 1934c [PB0800,0801]  
*Productus genuinus* var.: Ozawa, 1927c [PB1261,1262]  
*Productus (Marginifera) gobiensis*: Nonaka, 1944 [PB4779]  
*Productus* sp.: Nonaka, 1944 [PB4780]  
*Productus (Striatifera) compressus* var. *corniformis*: Nonaka, 1944 [PB4776]  
*Punctospirifer* sp.: Hamada, 1960 [PB7314]  
*Rafinesquina* aff. *alternata*: Kobayashi, 1934b [PB0532-0534]  
*Rafinesquina chosenensis*: Kobayashi, 1934b [PB0525-0531]  
*Retzia (Hustedia) radialis*: Ozawa, 1927c [PB1266,1267]  
*Rhipidomella cora*: Ozawa, 1927c [PB1258,1259]  
*Riograndella subcircus*: Kobayashi, 1937c [PB1559-1562]  
*Schizophoria* cfr. *juresanensis*: Ozawa, 1927c [PB1260]

## BRACHIOPODA

### Paleozoic Brachiopoda (continued)

- Shiragia biloba*: Kobayashi, 1935c [PB0937-0941]  
*Spirifer wymmei*: Ozawa, 1927c [PB1263]  
*Spirifella* cf. *saranae* mut. *lita*: Nonaka, 1944 [PB4783,4784]  
*Spiriferina multiplicata*: Nonaka, 1944 [PB4782]  
*Spiriferina koreanica*: Ozawa, 1927c [PB1265]  
*Strophalosia plicatifera*: Nonaka, 1944 [PB4781]  
*Strophomena* sp. aff. *S. incurvata*: Kobayashi, 1934a [PB0443]  
*Syntrophia* cf. *calcifera*: Kobayashi, 1931b [PB0174-0176]  
*Syntrophinella deltoides*: Kobayashi, 1934a [PB0439]  
*Syntrophinella elliptica*: Kobayashi, 1934a [PB0438]  
*Syntrophinella typica*: Kobayashi, 1934a [PB0434-0437]  
*"Triplecia" uncata*: Kobayashi, 1936c [PB1379]

### MESOZOIC BRACHIOPODA

- "Burmirhynchia" capillata*: Tokuyama, 1957c [MB4652]  
*Burmirhynchia japonica*: Tokuyama, 1957c [MB4648,4649]  
*Burmirhynchia torinosuensis*: Tokuyama, 1957c [MB4650,4651]  
*Carneithyris*(?) sp.: Matsumoto, 1963 [MB7484]  
*Holcothyris takiensis*: Tokuyama, 1959c [MB4531-4534]  
*Holochorhynchia sambosanensis* var.: Tokuyama, 1957a [MB4624]  
*Kallirhynchia* sp.: Tokuyama, 1957c [MB4654]  
*Lingula nariwensis*: Kobayashi and Ichikawa, 1952b [MB5404,5405]  
*Naradanithyris kuratai*: Tokuyama, 1958a [MB4655-4660]  
*Naradanithyris kuratai* var. *radiatostriata*: Tokuyama, 1958a [MB4661]  
*Naradanithyris torinosuensis*: Tokuyama, 1958b [MB4667-4672]  
*Parvirhynchia bella*: Tokuyama, 1957c [MB4653]  
*Punctospirifer triadicus*: Tokuyama, 1957b [MB4635-4639]  
*Punctospirifer triadicus kashiwaiensis*: Tokuyama, 1957b [MB4640-4643]  
*"Rhynchonella" asoensis*: Tokuyama, 1957a [MB4620-4623]  
*"Rhynchonella" sp. aff. bouchardii*: Tokuyama, 1957c [MB4647]  
*"Rhynchonella" sp. cfr. haradai*: Tokuyama, 1957c [MB4644-4646]  
*"Rhynchonella" hirabarensis*: Tokuyama, 1957a [MB4618,4619]  
*"Rhynchonella" kochigataniensis*: Tokuyama, 1957a [MB4614-4616]  
*"Rhynchonella" nakajimensis*: Tokuyama, 1957a [MB4617]

## BRACHIOPODA - MOLLUSCA

### Mesozoic Brachiopoda (continued)

- "Rhynchonella" noichiensis*: Tokuyama, 1957a [MB4610,4611]  
*Rhynchonella sambosanensis*: Kobayashi, 1931d [MB4211-4215]  
*Rhynchonella* sp.: Jimbo, 1894 [MB7484]  
*"Rhynchonella"* sp.: Tokuyama, 1959c [MB4547]  
*"Rhynchonella"* sp. nov.: Tokuyama, 1957a [MB4612,4613]  
*"Rhynchonella" subflabellata*: Tokuyama, 1957a [MB4625-4627]  
*"Rhynchonella" tamurai*: Tokuyama, 1959c [MB4535-4545]  
*"Rhynchonella"* sp. cfr. *varians*: Tokuyama, 1959c [MB4546]  
*Sakawairhynchia katayamai*: Tokuyama, 1957a [MB4605-4609]  
*Sakawairhynchia tokomboensis*: Tokuyama, 1957a [MB4601-4604]  
*Spiriferinoides nasai*: Tokuyama, 1957b [MB4633,4634]  
*Spiriferinoides sakawanus*: Tokuyama, 1957b [MB4628,4629]  
*Spiriferinoides yeharai*: Tokuyama, 1957b [MB4630-4632]  
*"Terebratula" anaiwensis*: Tokuyama, 1958b [MB4673,4674]  
*"Terebratula" imamurai*: Tokuyama, 1958b [MB4675]  
*"Terebratula" nishiyamensis*: Tokuyama, 1958a [MB4663]  
*"Terebratula"* sp.: Tokuyama, 1958a [PB4664]  
*"Terebratulina" nishiyamensis*: Tokuyama, 1958b [MB4663]  
*Zeilleria kotoi*: Tokuyama, 1958b [MB4676,4677]  
*Zeilleria naradaniensis*: Tokuyama, 1958a [MB4665,4666]

## MOLLUSCA

### PALEOZOIC MONOPLACOPHORA

- Archinacella wanwanensis*: Kobayashi, 1933a [PM0243]  
*Hypseloconus coreanicus*: Kobayashi, 1960b [PM2432]  
*Hypseloconus substabilis*: Kobayashi, 1938c [PM1717]  
*Palaeacmaea hampakuensis*: Kobayashi, 1934b [PM0565-0568]  
*Palaeacmaea sohsanensis*: Kobayashi, 1934b [PM0569]  
*Palaeacmaea(?)* sp.: Kobayashi, 1960a [PM2362]  
*Propilina antiqua*: Kobayashi, 1962 [PM3989a,3990]  
*Proplina ampla*: Kobayashi, 1933a [PM0245,0246]  
*Proplina bridgei*: Kobayashi, 1933a [PM0244]  
*Proplina(?)* sp.: Kobayashi, 1933a [PM0247]  
*Scenella clotho*: Saito, 1936 [PM1471,1472]  
*Scenella* sp.: Kobayashi, 1933a [PM0248]

## MOLLUSCA

### PALEOZOIC GASTROPODA

- "Bellerophon" aotii*: Kobayashi, 1958e [PM2300]  
*Bellerophon* sp.: Kobayashi, 1934b [PM0573]  
*Bucania katoi*: Kobayashi, 1930 [PM0061]  
*Bucania mudanensis*: Kobayashi, 1937c [PM1565]  
*Bucanopsis tsuibonensis*: Kobayashi, 1934b [PM0574-0577]  
*Burnesella tympama*: Kobayashi, 1955a [PM2112]  
*Clisospira(?) chundongensis*: Kobayashi, 1931b [PM0193]  
*Clisospira niuhsintaiensis*: Kobayashi, 1933a [PM0242]  
*Clisospira shorinensis*: Kobayashi, 1931b [PM0192]  
*Coreospira rugosa*: Saito, 1936 [PM1473-1476]  
*Cryptolites* sp.: Kobayashi, 1940b [PM1813]  
*Cyclonema(?) sonrinensis*: Kobayashi, 1931b [PM0190]  
*Eccyliopterus kushanensis*: Kobayashi, 1930 [PM0079]  
*Eccyliopterus minimus*: Kobayashi, 1934b [PM0595]  
*Eccyliopterus shirakii*: Kobayashi, 1934b [PM0593,0594]  
*Eobucania pulchra*: Kobayashi, 1955a [PM2108]  
*Eotomaria concava*: Kobayashi, 1930 [PM0076]  
*Fusispira* sp.: Kobayashi, 1934b [PM0605]  
*"Kobayashiella" masariensis*: Kobayashi, 1962 [PM3991]  
*Hampilina alta*: Kobayashi, 1958c [PM2320]  
*Hampilina goniospira*: Kobayashi, 1958c [PM2318,2319], Kobayashi, 1961b [PM2499]  
*Helcionella acuticosta pacifica*: Saito, 1936 [PM1468-1470]  
*Helcionella coreanica*: Kobayashi, 1958c [PM2316,2317,2323]  
*Helicotoma amanoi*: Kobayashi, 1958e [PM2303,2304]  
*Helicotoma(?) costata*: Kobayashi, 1959 [PM2331]  
*Helicotoma jonesi*: Kobayashi, 1959 [PM2328-2330]  
*Helicotoma kanekoi*: Kobayashi, 1931b [PM0188,0189]  
*Helicotoma* sp.: Kobayashi, 1934b [PM0596]  
*Helicotoma tamurai*: Kobayashi, 1930 [PM0081]  
*Helicotoma wanwanensis*: Kobayashi, 1933a [PM0239]  
*Helicotoma yabei*: Kobayashi, 1930 [PM0080]  
*Holopea tateiwai*: Kobayashi, 1931b [PM0191]  
*Hormotoma* sp.: Kobayashi, 1959 [PM2326,2327]

# MOLLUSCA

## Paleozoic Gastropoda (continued)

- Lecanospira tasmanensis*: Kobayashi, 1940a [PM1804]  
*Lesueurilla*(?) sp.: Kobayashi, 1959 [PM2336]  
*Lesueurilla zonata*: Kobayashi, 1959 [PM2335]  
*Liospira kawasakii*: Kobayashi, 1930 [PM0075], Kobayashi, 1931b [PM0181,0182]  
*Liospira lenticularis*: Kobayashi, 1931b [PM0183-0185]  
*Liospira shohakuensis*: Kobayashi, 1934b [PM0591,0592], Kobayashi, 1958e [PM2308]  
*Liospira taihakuensis*: Kobayashi, 1934b [PM0590]  
*Lophospira acuta*: Kobayashi, 1930 [PM0069]  
*Lophospira bantatsuense*: Kobayashi, 1930 [PM0063-0065]  
*Lophospira* cfr. *bantatsuensis*: Kobayashi, 1958e [PM2307]  
*Lophospira endoi*: Kobayashi, 1934b [PM0586]  
*Lophospira gerardi*: Kobayashi, 1930 [PM0071a]  
*Lophospira kinosakii*: Kobayashi, 1934b [PM0587]  
*Lophospira kodairai*: Kobayashi, 1930 [PM0068]  
*Lophospira konnoi*: Kobayashi, 1930 [PM0066]  
*Lophospira morrisi*: Kobayashi, 1930 [PM0062]  
*Lophospira pagoda*: Kobayashi, 1934b [PM0578-0583]  
*Lophospira* aff. *pagoda*: Kobayashi, 1934b [PM0584]  
*Lophospira* sp.: Kobayashi, 1934b [PM0589]  
*Lophospira subpulchella*: Kobayashi, 1930 [PM0070]  
*Lophospira tateiwai*: Kobayashi, 1934b [PM0588]  
*Lophospira trochiformis*: Kobayashi, 1930 [PM0067]  
*Lytospira mediosulcata*: Kobayashi, 1955a [PM2114]  
*Lytospira rectangularis*: Kobayashi, 1959 [PM2341]  
*Maclurea kotoi*: Kobayashi, 1930 [PM0088]  
*Maclurea niuhsintaiense*: Kobayashi, 1930 [PM0087]  
*Maclurea*(?) sp.: Kobayashi, 1930 [PM0089]  
*Maclurea tofangoense*: Kobayashi, 1930 [PM0082-0086]  
*Malayaspira rugosa*: Kobayashi, 1958d [PM2313], Kobayashi, 1959 [PM2337-2339]  
*Malayaspira*(?) sp.: 1959 [PM2340]  
*Matherella walcotti*: Kobayashi, 1933a [PM0240,0241]  
*Ophileta alta*: Kobayashi, 1934c [PM0813,0814]

MOLLUSCA

Paleozoic Gastropoda (continued)

- Ophileta plana*: Kobayashi, 1934c [PM0815-0817]  
*Ophiletina(?) shokoriense*: Kobayashi, 1930 [PM0078]  
*Ophiletina* sp.: Kobayashi, 1930 [PM0077]  
*Oxynodiscus keideli*: Kobayashi, 1935f [PM1340]  
*Oxynodiscus sigmoidalis*: Kobayashi, 1934b [PM0572]  
*Ozarkispira leo*: Kobayashi, 1955a [PM2113]  
*Pagodispira derwidui*: Kobayashi, 1930 [PM0071b,0072]  
*Pagodispira sakamotoi*: Kobayashi, 1930 [PM0073]  
*Pagodispira tetracarina*: Kobayashi, 1930 [PM0074]  
*Palaeomphalus giganteus*: Kobayashi, 1959 [PM2332-2334]  
*Palaeomphalus keizanensis*: Kobayashi, 1958e [PM2305,2306]  
*Pelagiella escayachensis*: Kobayashi, 1937c [PM1566-1568]  
*Pelagiella hana*: Kobayashi, 1935c [PM0942,0943]  
*Pelagiella hinomotoensis*: Kobayashi, 1933c [PM0338,0339]  
*Pelagiella (Parapelagiella) lorenzi*: Kobayashi, 1939 [PM1803]  
*Pelagiella(?) reversa*: Kobayashi, 1935c [PM0944]  
*Pleurotomaria yabeshigerui*: Kobayashi, 1931c [PM0235,0236a,0236b]  
*Raphistoma coreanicum*: Kobayashi, 1934b [PM0597,0598]  
*Raphistoma ichimurai*: Kobayashi, 1931b [PM0187]  
*Raphistoma katoi*: Kobayashi, 1934b [PM0601-0604]  
*Raphistoma keizanense*: Kobayashi, 1934b [PM0599,0600]  
*Raphistomina sinclairensis*: Kobayashi, 1955a [PM2109,2110]  
*Raphistomina sinclairensis* var. *acuta*: Kobayashi, 1955a [PM2111]  
*Scaevogyra naticiformis*: Kobayashi, 1933a [PM0252]  
*Scaevogyra ulrichi*: Kobayashi, 1933a [PM0250,0251]  
*Scalites irregulare*: Kobayashi, 1958e [PM2302]  
*Scalites katoi*: Kobayashi, 1958e [PM2301]  
*Sinuitopsis kochiriensis*: Kobayashi, 1934b [PM0570,0571]  
*Sinuitopsis* cfr. *kochiriensis*: Kobayashi, 1959 [PM2325]  
*Straparollus shirakii*: Kobayashi, 1931b [PM0186]  
*Straparollus?* sp.: Ichikawa, 1951a [PM5322]  
*Trochonema ozawai*: Kobayashi, 1930 [PM0090]  
*Trochonema ozawai* var. *depressa*: Kobayashi, 1930 [PM0091]



## MOLLUSCA

### MESOZOIC GASTROPODA

- Anisomyon giganteus*: Kanie, 1975 [MM5534]  
*Anisus (Gyraulus?)* sp.: Suzuki, 1942 [MM6403]  
*Astraea* (s. l.) *kumasoana*: Matsumoto, 1938a [MM7743]  
*Brotia wakinoensis*: Kobayashi and Suzuki, 1936 [MM4233, 7940a, 7940b]  
*Cerithium* sp. a aff. *C. arcotense*: Matsumoto, 1938a [MM7770]  
"Cerithium" *pyramidaeforme*: Matsumoto, 1938a [MM7781]  
*Glauconia(?) neumauri*: Kobayashi and Suzuki, 1939 [MM7907-7909]  
*Glauconia(?) neumayri*, intermediate form between *neumayri* (s. s.) and *angusta*: Kobayashi and Suzuki, 1939 [MM7906]  
*Glauconia(?) neumayri* forma *angusta*: Kobayashi and Suzuki, 1939 [MM7900-7905]  
*Helcion* cf. *giganteus*: Jimbo, 1894 [MM7485, 7486], Matsumoto, 1963 [MM7485, 7486]  
*Lanistes? kobayashii*: Suzuki, 1942 [MM6400-6402]  
*Lioplax? sungariana*: Suzuki, 1942 [MM6395-6399]  
*Melanoides vulgaris*: Kobayashi and Suzuki, 1937 [MM7023]  
*Melanoides vulgaris minima*: Kobayashi and Suzuki, 1937 [MM7024-7027]  
*Naticella(?) infrequens*: Kobayashi and Ichikawa, 1952b [MM5403a, 5403b]  
*Naticella(?)* sp.: Ichikawa, 1954a [MM5435]  
*Neritopsis elegans*: Hayami, 1960d [MM3667-3669]  
*Neritopsis mutabilis*: Hayami, 1960d [MM3662b, 3663-3666]  
*Naticopsis* (s. l.) sp. aff. *Natica klipsteini* Kobayashi and Ichikawa, 1952b [MM5402]  
*Physa nisidai*: Kobayashi and Suzuki, 1941 [MM4244]  
*Pictavia toyorana*: Hayami, 1960d [MM3672-3674]  
*Pila (Turbonicola?) nipponica*: Kobayashi and Suzuki, 1937 [MM4236, 4237, 7028]  
*Pleurotomaria(?)* sp.: Ichikawa, 1954a [MM5436]  
*Promathildia* sp. ex gr. *turritella*: Hayami, 1960d [MM3670, 3671]  
*Pseudomelania(?)* sp.: Hayami, 1960d [MM3662a]  
*Pterodonta amaxensis*: Matsumoto, 1938a [MM7741]  
*Pyrgulifera(?) japonica*: Matsumoto, 1938a [MM7722]  
*Sisenna(?) japonica*: Kobayashi and Ichikawa, 1952a [MM5408a, 5408b, 5408c]  
*Thiara (Siragimelania) japonica*: Suzuki, 1940 [MM6385]  
*Thiara (Siragimelania) tateiwai*: Suzuki, 1940 [MM6315-6352]  
*Thiara (Siragimelania) tateiwai acuticostata*: Suzuki, 1940 [MM6353-6384]  
*Turritella* sp. a: Matsumoto, 1938a [MM7762]

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### Mesozoic Gastropoda (continued)

- Turritella (Zaria) goshorana*: Matsumoto, 1938a [MM7742]  
*Vernedia(?) uedai*: Matsumoto, 1938a [MM7774]  
*Viviparus (Bellamya) tani grangeri?*: Suzuki, 1942 [MM6394]  
*Viviparus onogoensis*: Kobayashi and Suzuki, 1937 [MM7022]

### PALEOZOIC ROSTROCONCHIA

- Conocardium* sp.: Kobayashi, 1934b [PM0554]  
*Eoischyrina billingsi*: Kobayashi, 1933a [PA0311]  
*Eopteria alta*: Kobayashi, 1933a [PA0308]  
*Eopteria asiatica*: Kobayashi, 1933a [PA0307]  
*Eopteria flora*: Kobayashi, 1933a [PA0310]  
*Eopteria obsoleta*: Kobayashi, 1933a [PA0309]  
*Eopteria(?) trilobata*: Kobayashi, 1934b [PA0784]  
*Euchasma eopteriformis*: Kobayashi, 1933a [PA0305]  
*Euchasmella multistriata*: Kobayashi, 1933a [PA0306]  
*Pseudoeuchasma typica*: Kobayashi, 1933a [PA0315]  
*Pseudotechnophorus typicalis*: Kobayashi, 1933a [PA0312-0314]  
*Ribeirella subcircularis*: Kobayashi, 1960a [PA2417]  
*Ribeiria bassleri*: Kobayashi, 1933a [PA0304]  
*Ribeiria manchurica*: Kobayashi, 1933a [PA0302]  
*Ribeiria manchurica* var. *pennata*: Kobayashi, 1933a [PA0303]  
*Ribeiria(?) coreanica*: Kobayashi, 1934c [PA0900]  
*Schizopecten prosseri*: Kobayashi, 1936f [PM1393,1394]  
*Technophorus otaviensis*: Kobayashi, 1936f [PM1395-1397], Kobayashi, 1937c [PA1688]  
*Wanwanella shorinensis*: Kobayashi, 1933a [PA0298]  
*Wanwanella striata*: Kobayashi, 1933a [PA0294,0295]  
*Wanwanella striata* var. *auriculata*: Kobayashi, 1933a [PA0296]  
*Wanwanella tumida*: Kobayashi, 1933a [PA0299]  
*Wanwanella wanwanensis*: Kobayashi, 1933a [PA0297]  
*Wanwania ambonychiformis*: Kobayashi, 1933a [PA0292]  
*Wanwania cambrica*: Kobayashi, 1933a [PA0287-0291]  
*Wanwania compressa*: Kobayashi, 1933a [PA0293]  
*Wanwanoidea trigonalis*: Kobayashi, 1933a [PA0300]  
*Wanwanoidea trigonalis* var. *delicata*: Kobayashi, 1933a [PA0301]

## MOLLUSCA

### PALEOZOIC BIVALVIA

- Actinodontophora katsurensis*: Ichikawa, 1951a [PM5306-5309]  
*Anthracomya(?) jidoensis*: Kobayashi, 1933b [PM0432a]  
*Anthracomya* sp. nov.: Kobayashi and Hisakosi, 1942a [PM1908,1909]  
*Aviculopecten (Deltopecten)* sp.: Kobayashi, 1931c [PM0233]  
*Aviculopecten elegantulus*: Ozawa, 1927c [PM1268]  
*Aviculopecten khinganensis*: Kobayashi, 1931c [PM0232]  
*Carbonicola(?) khinganensis*: Kobayashi and Hisakosi, 1942b [PM1911,1912]  
*Carbonicola onukii*: Kobayashi and Hisakosi, 1942b [PM1910]  
*Carbonicola(?) soronensis*: Kobayashi and Hisakosi, 1942b [PM1913,1914]  
*Cleidophorus(?)* aff. *consuetus*: Kobayashi, 1937c [PM1580]  
*Cleidophorus szechuanensis*: Kobayashi, 1951c [PM2018]  
*Clionychia oviformis*: Kobayashi, 1934b [PM0553]  
*Crenipecten soronensis*: Kobayashi, 1931c [PM0234]  
*Ctenodonta* aff. *alta*: Kobayashi, 1937c [PM1579]  
*Ctenodonta cochabambensis*: Kobayashi, 1937c [PM1569-1571]  
*Ctenodonta coreanica*: Kobayashi, 1934b [PM0540-0542]  
*Ctenodonta corbuliformis*: Kobayashi, 1934b [PM0546-0548]  
*Ctenodonta dotenensis*: Kobayashi, 1934b [PM0539]  
*Ctenodonta gracilis*: Kobayashi, 1937c [PM1578]  
*Ctenodonta iclensis*: Kobayashi, 1937c [PM1572-1575]  
*Ctenodonta iclensis* var. *angusta*: Kobayashi, 1937c [PM1576]  
*Ctenodonta mesambonata*: Kobayashi, 1937c [PM1577]  
*Ctenodonta nasutaformis*: Kobayashi, 1934b [PM0537,0538]  
*Ctenodonta nipponica*: Kobayashi, 1934b [PM0535,0536]  
*Ctenodonta oblongata*: Kobayashi, 1934b [PM0549a,0549b]  
*Ctenodonta samenoha*: Kobayashi, 1934b [PM0544,0545]  
*Ctenodonta(?) striata*: Kobayashi, 1934b [PM0550]  
*Ctenodonta subsymmetrica*: Kobayashi, 1934b [PM0543]  
*Cyrtodonta(?) prima*: Kobayashi, 1934c [PM0812]  
*Cyrtodonta(?)* sp.: Kobayashi, 1934b [PM0552]  
*Edmondia?* a sp.: Ichikawa, 1951a [PM5315]  
*Edmondia?* b sp.: Ichikawa, 1951a [PM5316]  
*Goniophora orientalis*: Kobayashi, 1934b [PM0562,0563]  
*Goniophorina isbergi*: Kobayashi, 1937c [PM1582,1583]

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### Paleozoic Bivalvia (continued)

- Goniophorina(?) otaviensis*: Kobayashi, 1937c [PM1584]  
*Goniophorina tambillosensis*: Kobayashi, 1937c [PM1581]  
*Modiolopsis elongata*: Kobayashi, 1934b [PM0559]  
*Modiolopsis hinomotoensis*: Kobayashi, 1934b [PM0560]  
*Modiolopsis kogenensis*: Kobayashi, 1934b [PM0555-0557]  
*Modiolopsis reedi*: Kobayashi, 1934b [PM0558]  
*Modiolopsis rugosa*: Kobayashi, 1934b [PM0561]  
*Myalina?* sp.: Ichikawa, 1951a [PM5321]  
*"Nucula"* sp.: Ichikawa, 1951a [PM5313]  
*Nuculites(?) suboblongatus*: Kobayashi, 1934b [PM0551]  
*Nuculopsis (Palaeonucula) a* sp.: Ichikawa, 1951a [PM5312]  
*Nuculopsis (Palaeonucula) orientalis*: Ichikawa, 1951a [PM5311]  
*Palaeonodonta* cfr. *longissima*: Kobayashi and Hisakosi, 1942b [PM1918]  
*Palaeomutela chohi*: Kobayashi and Hisakosi, 1942b [PM1915]  
*Palaeomutela hahaiensis*: Kobayashi and Hisakosi, 1942b [PM1916]  
*Palaeomutela subrectangularis*: Kobayashi and Hisakosi, 1942b [PM1917]  
*Palaeoneilo* sp.: Ichikawa, 1951a [PM5314]  
*Pterinea(?) subasperula*: Kobayashi, 1931b [PM0180]  
*Schizodus kobayashii*: Ichikawa, 1951a [PM5317-5319]  
*Schizodus? radiatus*: Ichikawa, 1951a [PM5320]

### MESOZOIC BIVALVIA

- Acanthotrignia longiloba*: Kobayashi and Nakano, 1957 [MM4463-4466], Matsumoto, 1963 [MM4465,7489]  
*Acanthotrignia moriana*: Kobayashi and Nakano, 1957 [MM4457-4459]  
*Acanthotrignia ogawai*: Kobayashi and Nakano, 1957 [MM4467,4468]  
*Acanthotrignia pustulosa*: Kobayashi and Nakano, 1957 [MM4460-4462]  
*"Aequipecten" kotsubu*: Tamura, 1959c [MM3048,3049]  
*Aequipecten ogawensis*: Kimura, 1951 [MM7129]  
*"Aequipecten" sp.*: Hayami, 1959h [MM3390]  
*"Aequipecten" toyorensis*: Hayami, 1959h [MM3384-3388]  
*"Aequipecten" vulgaris*: Tamura, 1959c [MM3059,3060], Tamura, 1959e [MM3219]  
*Aequipecten vulgaris*: Kimura, 1951 [MM7114,7115]  
*Alodis (Caryocorbula) higoensis*: Matsumoto, 1938a [MM7755,7841,7844]

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Mesozoic Bivalvia (continued)

- Amonotis* n. sp.: Hayami, 1961c [MM4839]  
*Anisocardia* sp.: Tamura, 1959d [MM3108,3109]  
*Anodontophora carinata*: Kobayashi and Ichikawa, 1950c [MM5157]  
*Anodontophora kochigataniensis*: Kobayashi and Ichikawa, 1950c [MM5152-5155]  
*Anodontophora* aff. *kochigataniensis*: Tokuyama, 1960a [MM4557]  
*Anodontophora kochigataniensis* var. *hiratai*: Kobayashi and Ichikawa, 1950c.  
*Anodontophora?* sp.: Ichikawa, 1954d [MM5472]  
*Anodontophora* sp. nov.: Kobayashi and Ichikawa, 1950c [MM5158]  
*Anodontophora takiguchiensis*: Tokuyama, 1960b,c [MM4578-4581]  
*Anomia linensis*: Matsumoto, 1938a [MM7746,7855]  
*Anomia pseudotruncata*: Kobayashi and Suzuki, 1939 [MM7918]  
*Anthonya japonica*: Matsumoto, 1938a [MM7788a,7788b]  
*Antiquilima nagatoensis*: Hayami, 1959h [MM3421,3422], Hayami, 1975 [MM3421]  
*Apiotrigonia crassoradiata*: Nakano, 1957 [MM4855a,4855b]  
*Apiotrigonia jimboi*: Nakano, 1957 [MM4857a,4857b,4858]  
*Apiotrigonia minor*: Nakano, 1957 [MM4848-4851]  
*Apiotrigonia obliquecosta*: Nakano, 1957 [MM4854]  
*Apiotrigonia postonodosa*: Nakano, 1957 [MM4856]  
*Apiotrigonia undulosa*: Nakano, 1957 [MM4852]  
*Arcomya?* sp.: Tamura, 1959d [MM3121,3122]  
*Arcomytilus dairensis*: Hayami, 1958a [MM2734,2735]  
*Arcomytilus* sp.: Hayami, 1958a [MM2736]  
*Arctica (Somarctica) abukumensis*: Tamura, 1960d [MM3319-3322]  
*Asoella confertoradiata*: Hayami, 1975 [MM4498,4503]  
*Astarte a* sp.: Hayami, 1959h [MM3447]  
*Astarte (Astarte) mindoroensis*: Hayami, 1968 [MM3928-3934]  
*Astarte (Astarte) satoi*: Hayami, 1968 [MM3935-3939,3940a,3940b,3941-3945]  
*Astarte b* sp.: Hayami, 1959h [MM3448]  
*Astarte (Coelastarte) somensis*: Tamura, 1960d [MM3314-3316]  
*Astarte defecta*: Tamura, 1959b [MM2978-2980]  
*Astarte higoensis*: Tamura, 1959b [MM2985]  
*Astarte?* *iwayai*: Ichikawa, 1954d [MM5469,5470]  
*Astarte kambarensis*: Kimura, 1956 [MM7166,7167], Tamura, 1960d [MM3302, 3306-3308]

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## Mesozoic Bivalvia (continued)

- Astarte kambarensis* var. *elongata*: Kimura, 1956 [MM7168]  
*Astarte* n. sp.: Hayami, Sugita and Nagumo, 1960 [MM3654]  
*Astarte ogawensis*: Kimura, 1956 [MM7164], Tamura, 1959b [MM2981-2983]  
*Astarte sakamotoensis*: Tamura, 1959b [MM2976,2977], Tamura, 1960d [MM3300, 3301]  
*Astarte sakawana*: Kobayashi and Suzuki, 1939 [MM7910-7912]  
*Astarte* sp.: Matsumoto, 1938a [MM7796]  
*Astarte* sp.: Tamura, 1959b [MM2986]  
*Astarte*(?) sp.: Hayami, Sugita and Nagumo, 1960 [MM3655]  
*Astarte?* sp. aff. *hermanni*: Tamura, 1959b [MM2987]  
*Astarte* cf. *spitiensis*: Hayami, Sugita and Nagumo, 1960 [MM3652,3653]  
*Astarte subdepressa*: Tamura, 1960d [MM3309-3313]  
*Aulacomyella?* sp.: Tamura, 1960b [MM3253]  
*Aulacomyella* sp. aff. *A. neogae*: Hayami, 1968 [MM3920,3921]  
*Bakevella* (*Bakevelloides*) *hekiensis*: Hayami, 1975 [MM4485]  
*Bakevella* (s. l.) *cassianelloides*: Hayami, 1957a [MM2669-2671]  
*Bakevella magnissima*: Hayami, 1957a [MM2655-2659]  
*Bakevella negoyensis*: Hayami, 1957a [MM2664-2666]  
*Bakevella* (*Neobakevella*) *trigona*: Hayami, 1975 [MM2651]  
*Bakevella ohishiensis*: Hayami, 1957a [MM2667,2668]  
*Bakevella otariensis*: Hayami, 1957a [MM2660-2663]  
*Bakevella trigona*: Hayami, 1957a [MM2651-2654,7175]  
*Bakevelloides hekiensis*: Tokuyama, 1959a [MM4482-4488]  
*Batissa antiqua*: Kobayashi and Suzuki, 1937 [MM7002,7003]  
*Batissa yokoyamai*: Kobayashi and Suzuki, 1937 [MM4234,4235]  
*Brachidontes* (*Arcomytilus*) *laitmairensis*: Tamura, 1960a [MM3618], Tamura, 1960c [MM3268,3269]  
*Brachidontes?* sp.: Hayami, 1959f [MM3152]  
*Burmesia japonica*: Hayami, 1959a [MM2936-2941]  
"*Callista*" (*Pseudamiantis*) *crenulatus*: Matsumoto, 1938a [MM7751,7752,7826, 7830], Iwasaki, 1963 [MM3823-3825,7551]  
"*Camptonectes*" a sp.: Hayami, 1957e [MM2711]  
*Camptonectes* cf. *auritus*: Hayami, 1959c [MM2957-2959]  
"*Camptonectes*" b sp.: Hayami, 1957e [MM2712,2713]  
*Camptonectes* (s. s.) *inexpectatus*: Hayami, 1959a [MM2927,2928]

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## Mesozoic Bivalvia (continued)

- Camptonectes*(?) *mimikirensis*: Kimura, 1951 [MM7100]  
*"Camptonectes" oishii*: Hayami, 1957e [MM2705-2708]  
*Camptonectes* sp.: Hayami, 1959g [MM3164,3165]  
*Camptonectes* sp.: Tamura, 1959e [MM3218]  
*Camptonectes?* sp.: Tamura, 1959c [MM3058]  
*Camptonectes?* sp.: Ichikawa, 1954b [MM5444]  
*Camptonectes* sp. aff. *browni*: Tamura, 1959c [MM3063]  
*"Camptonectes" subflabelliformis*: Hayami, 1957e [MM2709,2710]  
*Camptonectes torinosuensis*: Kimura, 1951 [MM7095,7096]  
*Camptonectes* cfr. *torinosuensis*: Kimura, 1951 [MM7097]  
*Cardinia misawensis*: Kobayashi and Ichikawa, 1952b [MM5399a,5400], Ichikawa, 1954d [MM5481,5482a,5482b,5483]  
*Cardinia orientalis*: Hayami, 1959h [MM3439,3440]  
*Cardinia toriyamai*: Hayami, 1958e [MM2913-2923], Hayami, 1975 [MM2917,2918]  
*Cardinia triadica*: Kobayashi and Ichikawa, 1952a [MM5380a,5380b,5380c,5380d,5380e], Tokuyama, 1960b,c [MM4598,4599]  
*Cardinioides japonicus*: Kobayashi and Ichikawa, 1952a [MM5371]  
*Cardinioides japonicus* var. *elongatus*: Kobayashi and Ichikawa, 1952a [MM5374a,5374b]  
*Cardinioides ovatus*: Hayami, 1957c [MM2643-2649]  
*Cardinioides*(?) sp.: Hayami, 1957c [MM2650]  
*Cardinioides splendidus*: Kobayashi and Ichikawa, 1952a [MM5375]  
*Cardinioides subtrigonalis*: Kobayashi and Ichikawa, 1952a [MM5410,5411]  
*Cardinioides* cfr. *subtrigonalis* Kobayashi and Ichikawa, 1952a [MM5409]  
*Cardinioides varidus*: Hayami, 1957c [MM2637-2642], Hayami, 1975 [MM2641]  
*Cardium* (s. l.) *naganoense*: Hayami, 1959h [MM3461,3462]  
*"Cassianella" dubia*: Kobayashi and Ichikawa, 1949b [MM5219]  
*Cassianella* sp.: Kobayashi, 1931d [MM4216]  
*Catella* (*Torinosucatella*) *kobayashii*: Tamura, 1959c [MM3024-3028], Tamura, 1959e [MM3206,3207]  
*Chlamys awazuensis*: Hayami, 1961b [MM3681]  
*Chlamys camptonectoides*: Tamura, 1959e [MM3209-3212]  
*Chlamys* (*Chlamys*) *iboibo*: Tamura, 1959c [MM3052,3053]  
*Chlamys* (*Chlamys*) sp.: Tamura, 1959c [MM3057]

# MOLLUSCA

## Mesozoic Bivalvia (continued)

- Chlamys iboibo*: Kimura, 1951 [MM7091-7094]
- Chlamys kobayashii*: Hayami, 1959d [MM3124,3125]
- Chlamys kotakiensis*: Hayami, 1957e [MM2700-2703]
- Chlamys kurumensis*: Hayami, 1957e [MM2697,2698]
- Chlamys* cf. *kurumensis*: Hayami, 1957e [MM2699]
- Chlamys mitaraiensis*: Hayami, 1959g [MM3160-3163]
- Chlamys mojsisovicsi*: Kobayashi and Ichikawa, 1949a [MM5187-5190], Ichikawa, 1954d [MM5456,5458,5459], Tokuyama, 1960a [MM4558-4560], Hayami, 1975 [MM5187]
- Chlamys mojsisovicsi* var. *toyamai*: Kobayashi and Ichikawa, 1949a [MM5191-5193]
- Chlamys nagataensis*: Kimura, 1951 [MM7090]
- Chlamys (Radulopecten) nagataensis*: Tamura, 1959c [MM3047]
- Chlamys (Radulopecten) ogawensis*: Tamura, 1959c [MM3055], Tamura, 1959e [MM3215-3217]
- Chlamys (Radulopecten?) villai*: Kobayashi, 1957c [MM4411,4412]
- Chlamys* sp.: Hayami, 1957e [MM2704]
- Chlamys* sp.: Kobayashi, 1957c [MM4410]
- Chlamys* sp.: Kobayashi and Ichikawa, 1952a [MM5383]
- Chlamys* sp.: Tamura, 1959e [MM3213,3214]
- Chlamys textoria*: Hayami, 1959h [MM3379-3383]
- Coelastarte cardiniiformis*: Hayami, 1958c [MM2880-2883]
- Coelastarte* sp. ex gr. *cardiniiformis*: Hayami, 1959c [MM2966,2967]
- Coelastarte* sp.: Hayami, 1959c [MM2968,2969]
- Coelastarte* sp.: Hayami, Sugita and Nagumo, 1960 [MM3656]
- Corbicula amagashiraensis*: Kobayashi and Suzuki, 1937 [MM7007a,7007b,7007c,7007d,7007e]
- Corbicula (Leptesthes?) coreanica*: Kobayashi and Suzuki, 1936 [MM4232,7935,7936a,7936b,7936c,7937a,7937b,7937c,7937d,7938]
- Corbicula sanchuensis*: Kobayashi and Suzuki, 1939 [MM7887-7892]
- Corbicula tetoriensis*: Kobayashi and Suzuki, 1937 [MM7008-7010,7011a,7011b,7012-7015,7016a,7016b,7017a,7017b,7018-7021]
- Corbula globosa*: Tamura, 1959d [MM3093-3097]
- Corbula(?)* sp.: Hayami, 1960a [MM3580]
- Crassatella (Pachythaerus) nagaoi*: Matsumoto, 1938a [MM7797,7798]
- Crenella gyliakiana*: Matsumoto, 1938a [MM7747a,7747b,7748]



# MOLLUSCA

## Mesozoic Bivalvia (continued)

- Crenotrapezium kitakamiense*: Hayami, 1960a [MM3570,3571,3572a]  
*Crenotrapezium kurigata*: Hayami, 1958b [MM2831,2832]  
*Crenotrapezium kurumense*: Hayami, 1958b [MM2823-2825,2827-2830]  
*Crenotrapezium kurumense grossum*: Hayami, 1961a [MM3678,3679]  
*Crenotrapezium kurumense kurumense*: Hayami, 1975 [MM2823,2829]  
*Cristaria?* sp. aff. "*Leptesthes*" *chingshanensis*: Kobayashi and Suzuki, 1936 [MM7939a,7939b]  
*Ctenostreon japonicum*: Hayami, 1959h [MM3424,3425]  
*Ctenostreon ojikense*: Hayami, 1959d [MM3126]  
*Ctenostreon proboscideum*: Tamura, 1959e [MM3231]  
*Ctenostreon* sp. ex gr. *proboscideum*: Hayami, 1959c [MM2960]  
*Ctenostreon* sp.: Hayami, 1959h [MM3427]  
*Cucullaea* aff. *acuticarinata*: Amano, 1957 [MM6458,6459]  
*Cucullaea ezoensis* var. *amaxensis*: Matsumoto, 1938a [MM7745]  
*Cucullaea* (s. l.) *mabuchii*: Hayami, 1958c [MM2874-2877]  
*Cucullaea* (s. l.) sp.: Hayami, 1959c [MM2943,2944]  
*Cucullaea* (s. l.) sp. ex gr. *aalensis*: Hayami, 1959c [MM2942]  
"*Cultellus*"? *ellipsoidalis*: Kobayashi and Ichikawa, 1950c [MM5161]  
*Cultriosis* (*Angustella*?) *hosonaga*: Ichikawa, 1955a [MM5415]  
*Cuspidaria?* a sp.: Hayami, 1958d [MM2817-2819,2823b]  
*Cuspidaria?* b sp.: Hayami, 1958d [MM2820,2821]  
*Cuspidaria*(?) *praenipponica*: Hayami, 1959a [MM2932-2935]  
*Cuspidaria*(?) sp.: Hayami, 1960a [MM3581]  
"*Cuspidaria*"? sp.: Ichikawa, 1950 [MM5186]  
*Cyprina*(?) sp.: Matsumoto, 1938a [MM7753,7793]  
*Cyrena elliptica*: Yokoyama, 1904a [MM7173]  
*Cyrena lunulata*: Yokoyama, 1904a [MM7178]  
"*Cyrena*" (aff. *Villorita*) sp.: Matsumoto, 1938a [MM7802,7803]  
*Daonella alta*: Kobayashi and Tokuyama, 1959a [MM3474,3476]  
*Daonella asymmetrica*: Kobayashi and Tokuyama, 1959a [MM3534]  
*Daonella* cf. *densisulcata*: Ichikawa, 1963 [MM5003]  
*Daonella hiratai*: Kobayashi and Tokuyama, 1959a [MM3535]  
*Daonella indica*: Kobayashi and Tokuyama, 1959a [MM3478,3480,3485,3486,3495,3531,3538-3540]

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## Mesozoic Bivalvia (continued)

- Daonella iwayai*: Kobayashi and Tokuyama, 1959a [MM3481,3497,3498,3537]  
*Daonella Kotoi*: Mojsisovics, 1888 [MM5001]  
*Daonella kotoi*: Kobayashi and Tokuyama, 1959a [MM3487-3489,3503-3505,3507,5001], Ichikawa, 1963 [MM5001], Hayami, 1975 [MM5001]  
*Daonella* cf. *kotoi* var. *alta*: Kobayashi, 1931d [MM4218,4219]  
*Daonella multistriata*: Kobayashi and Tokuyama, 1959a [MM5004]  
*Daonella pectinoides*: Kobayashi and Tokuyama, 1959a [MM3532,3533]  
*Daonella*(?) ex gr. *D. pichleri*: Kobayashi and Tokuyama, 1959b [MM3561]  
*Daonella Sakawana*: Mojsisovics, 1888 [MM5002,5003]  
*Daonella sakawana*: Kobayashi and Tokuyama, 1959a [MM5002], Ichikawa, 1963 [MM5002]  
*Daonella* sp.: Kobayashi, 1931d [MM4220]  
*Daonella* cfr. *spitiensis*: Kobayashi and Tokuyama, 1959a [MM3496]  
*Daonella subquadrata*: Kobayashi and Tokuyama, 1959a [MM3516-3518]  
*Daonella subquadrata symmetrica*: Kobayashi and Tokuyama, 1959a [MM3525-3528]  
*Daonella subquadrata zohoinensis*: Kobayashi and Tokuyama, 1959a [MM3510-3512,3514,5003]  
*Daonella sumatrensis*: Kobayashi and Tokuyama, 1959b [MM3559]  
*Daonella tenuistriata*: Kobayashi and Tokuyama, 1959a [MM3473]  
*Daonella yoshimurai*: Kobayashi, 1935b [MM5520], Kobayashi and Tokuyama, 1959a [MM3472]  
*Edentula ozawai*: Kobayashi, 1935b [MM4222-4224,5521]  
*Edentula*(?) *triangularis*: Kobayashi and Ichikawa, 1952b [MM5399c,5399d]  
*Entolium* cf. *calvum*: Hayami, 1959h [MM3391-3394]  
*Entolium* cf. *disciformis*: Hayami, 1959c [MM2961]  
*Entolium inequivalve*: Hayami, 1959g [MM3166-3171], Hayami, 1975 [MM3166]  
*Entolium japonicum*: Kimura, 1951 [MM7102,7103]  
*Entolium kimurai*: Tamura, 1959c [MM3035-3044], Tamura, 1959e [MM3224], Hayami, Sugita and Nagumo, 1960 [MM3946]  
*Entolium* cf. *lunare*: Hayami, 1959h [MM3396]  
*Entolium* sp.: Hayami, 1957e [MM2717]  
*Entolium* sp.: Hayami, 1959h [MM3398]  
*Entolium*(?) sp.: Hayami, 1959h [MM3399,3400]  
*"Entolium"*(?) sp.: Ichikawa, 1954a [MM5434]

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## Mesozoic Bivalvia (continued)

- Entolium yatsujiense*: Kimura, 1951 [MM7105], Tamura, 1959c [MM3045,3046], Tamura, 1959e [MM3223]
- Entomonotis ambigua*: Kobayashi and Ichikawa, 1949c [MM5267]
- Entomonotis* cfr. *ambigua*: Kobayashi and Ichikawa, 1949c [MM5271]
- Entomonotis iwaiensis*: Ichikawa, 1951b [MM5369,5370]
- Entomonotis multistriata*: Kobayashi and Ichikawa, 1949c [MM5273,5274]
- Entomonotis* cfr. *multistriata*: Kobayashi and Ichikawa, 1949c [MM5275]
- Entomonotis ochotica*: Kobayashi and Ichikawa, 1949c [MM5281]
- Entomonotis ochotica* var. *densistriata*: Kobayashi and Ichikawa, 1949c [MM 5283]
- Entomonotis ochotica* var. *eurachis*: Kobayashi and Ichikawa, 1949c [MM5284-5286]
- Entomonotis ochotica* cfr. var. *eurachis*: Kobayashi and Ichikawa, 1949c [MM5287]
- Entomonotis pachypleura*: Kobayashi and Ichikawa, 1949c [MM5272]
- Entomonotis tenuicostata*: Kobayashi and Ichikawa, 1949c [MM5276,5277]
- Entomonotis tenuicostata* var. *mabara*: Kobayashi and Ichikawa, 1949c [MM 5278]
- Entomonotis zabaikalica*: Kobayashi and Ichikawa, 1949c [MM5253,5254a,5254b, 5255-5258]
- Entomonotis zabaikalica* var. *intermedia*: Kobayashi and Ichikawa, 1949c [MM5260,5261]
- "*Eocallista*" *regularis*: Tamura, 1959d [MM3107]
- Eomiodon chumphonensis*: Hayami, 1960b [MM3632a,3632b]
- Eomiodon*(?) *giganteus*: Hayami, 1958b [MM2857-2861]
- Eomiodon kumamotoensis*: Tamura, 1959d [MM3104,3105]
- Eomiodon lunulatus*: Hayami, 1957b [MM2833-2843,7178], Hayami, 1959b [MM 2837,2838], Hayami, 1975 [MM2840,2843]
- Eomiodon* sp.: Hayami, 1958b [MM2852-2854]
- Eomiodon*(?) sp.: Hayami, 1958b [MM2862-2863]
- Eomiodon vulgaris*: Hayami, 1958b [MM2844-2851,2855,2856]
- Eopecten kurisakensis*: Tamura, 1960a [MM3627]
- Eopecten punctus*: Tamura, 1959e [MM3220-3222]
- Eopecten* sp.: Tamura, 1959c [MM3068]
- Eopecten*(?) sp.: Hayami, 1957e [MM2714]
- Eumorphotis (Asoella) confertoradiata*: Tokuyama, 1959b [MM4498-4504]

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## Mesozoic Bivalvia (continued)

- Eumorphotis (Asoella) laevigata*: Tokuyama, 1959b [MM4505-4508]  
*Eumorphotis (Asoella) nakatsukensis*: Tokuyama, 1959b [MM4509-4511]  
*Eumorphotis multiformis*: Nakazawa, 1971 [MM3950]  
*Exogyra kumensis*: Tamura, 1959b [MM3003-3005]  
*Filosina jusanhamensis*: Hayami, 1960a [MM3562-3568]  
*Fimbria somensis*: Hayami, 1961b [MM3687-3689]  
*Fimbria* sp.: Hayami, 1959h [MM3449]  
*Fimbria(?) tenuiconcha*: Hayami, 1959c [MM2973]  
*Frenguelliella (Kumatrignonia) tanourensensis*: Tamura, 1959a [MM3080-3083], Hayami, 1975 [MM3080]  
*Geratrignonia hosourensensis*: Kobayashi and Mori, 1954 [MM4313,7174], Hayami, 1959a [MM2929-2931], Hayami, 1975 [MM7174]  
*Geratrignonia hosourensensis* var. *convexa*: Kobayashi and Mori, 1954 [MM4314]  
*Geratrignonia kurumensis*: Kobayashi, 1957b [MM4388]  
*Geratrignonia lata*: Kobayashi and Mori, 1954 [MM4315,4316]  
*"Gervillia" araiensis*: Ichikawa, 1954a [MM5417]  
*"Gervillia" cfr. araiensis*: Ichikawa, 1954a [MM5418]  
*Gervillia (Cultriopsis) shizukawensis*: Hayami, 1957b [MM2672]  
*Gervillia (Cultriopsis?)* sp.: Hayami, 1957b [MM2674]  
*"Gervillia" hekiensis*: Kobayashi and Ichikawa, 1952a [MM5387,5388a,5388b]  
*"Gervillia" saekii*: Kobayashi and Ichikawa, 1952a [MM5379]  
*"Gervillia" cfr. saekii*: Kobayashi and Ichikawa, 1952b [MM5399b]  
*Gervillia shinanoensis*: Kobayashi and Suzuki, 1939 [MM7893-7899]  
*Gervillia* sp.: Hayami, 1957b [MM2673]  
*Gervillia* sp.: Hayami, Sugita and Nagumo, 1960 [MM3941]  
*Gervillia takiensis*: Tamura, 1960a [MM3613,3614]  
*Gervillia tatenosawensis*: Tamura, 1960a [MM3617], Tamura, 1960b [MM3254-3260]  
*Gervillia trigona*: Yokoyama, 1904a [MM6918,7175]  
*Goniomya (Goniomya) nonvscripta*: Hayami, 1975 [MM3292]  
*Goniomya nonvscripta*: Tamura, 1960c [MM3289-3294]  
*Goniomya* sp.: Tamura, 1959d [MM3123]  
*Grammatodon (Indogrammatodon) densistriatus*: Tamura, 1959e [MM3201-3205]  
*Grammatodon (Indogrammatodon?) nakanoi*: Hayami, 1958c [MM2878,2879]  
*Grammatodon* sp.: Hayami, Sugita and Nagumo, 1960 [MM3651]

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## Mesozoic Bivalvia (continued)

- Grammatodon?* sp.: Hayami, 1958d [MM2801,2802]
- Grammatodon takiensis*: Kimura, 1956 [MM7158], Tamura, 1959c [MM3013,3014], Tamura, 1959e [MM3199,3200]
- Grammatodon* (s. s.) *takiensis*: Hayami, Sugita and Nagumo, 1960 [MM3639,3640]
- Grammatodon toyorensis*: Hayami, 1959h [MM3361-3364]
- Halobia alta*: Kobayashi and Aoti, 1943 [MM5040]
- Halobia aotii*: Kobayashi and Ichikawa, 1949b [MM5221], Tokuyama, 1959b [MM4530]
- Halobia atsuensis*: Tokuyama, 1959b [MM4525]
- Halobia* aff. *austriaca*: Ichikawa, 1954b [MM4525]
- Halobia* cfr. *comata*: Kobayashi and Tokuyama, 1959b [MM3560]
- Halobia kashiwaiensis*: Kobayashi and Ichikawa, 1949b [MM5220], Tokuyama, 1959b [MM4529]
- Halobia kawadai*: Kobayashi and Aoti, 1943 [MM5036-5039,5052,5053], Ichikawa, 1954c [MM5425,5525], Tokuyama, 1959b [MM4527,4528]
- Halobia longissima*: Kobayashi and Aoti, 1943 [MM5041]
- Halobia molukkana*: Kobayashi and Aoti, 1943 [MM5044,5046-5049], Ichikawa, 1954b [MM5530]
- Halobia* cfr. *molukkana*: Ichikawa, 1954b [MM5531]
- Halobia multilineata*: Kobayashi and Aoti, 1943 [MM5050]
- Halobia multistriata*: Kobayashi and Aoti, 1943 [MM5044,5045,5054-5058]
- Halobia obsoleta*: Kobayashi and Aoti, 1943 [MM5042,5043]
- Halobia sedaka*: Kobayashi and Aoti, 1943 [MM5051]
- Halobia* sp.: Ichikawa, 1954b [MM5527,5528]
- Halobia subsedaka*: Tokuyama, 1959b [MM4526], Tokuyama, 1960b,c [MM4600]
- Heterotrigonia subovalis*: Nakano, 1957 [MM4859,4860,7488], Matsumoto, 1963 [MM7488]
- Homomya gibbosa*: Tamura, 1960c [MM3288]
- Homomya matsuoensis*: Tokuyama, 1960b,c [MM4596,4597]
- Homomya satoi*: Hayami, 1958d [MM2810]
- Homomya* sp.: Hayami, 1958d [MM2811]
- Ibotrighonia masatanii*: Kobayashi and Tamura, 1957 [MM4381-4383], Hayami, 1975 [MM4383]
- Inoceramus* (s. l.) a sp.: Hayami, 1960c [MM3607]
- Inoceramus amakusensis*: Nagao and Matsumoto, 1940 [MM6513,6514], Matsumoto and Ueda, 1962 [MM6514]

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## Mesozoic Bivalvia (continued)

- Inoceramus angulosus*: Jimbo, 1894 [MM7534], Matsumoto, 1963 [MM7534]
- Inoceramus* (s. l.) b sp.: Hayami, 1960c [MM3608]
- Inoceramus balticus* var. *kunimiensis*: Nagao and Matsumoto, 1940 [MM6520-6522]
- Inoceramus concentricus* var. *costatus*: Nagao and Matsumoto, 1939 [MM6480-6482]
- Inoceramus concentricus* var. *nipponicus*: Nagao and Matsumoto, 1939 [MM6478]
- Inoceramus* sp. b, aff. *I. cripisii*: Nagao and Matsumoto, 1940 [MM6511]
- Inoceramus* (s. l.) c sp.: Hayami, 1960c [MM3609]
- Inoceramus digitatus*: Jimbo, 1894 [MM7487,7536,7537]
- Inoceramus* (s. l.) d sp.: Hayami, 1960c [MM3610]
- Inoceramus ezoensis*: Nagao and Matsumoto, 1940 [MM6515]
- Inoceramus ezoensis* var. *vanuxemiformis*: Nagao and Matsumoto, 1940 [MM6518]
- Inoceramus* (s. l.) *fukadae*: Hayami, 1960c [3605,3606]
- Inoceramus furukawensis*: Hayami, 1960c [MM3604]
- Inoceramus* sp. ex gr. *fuscus*: Hayami, 1960c [MM3599]
- Inoceramus* sp. cf. *I. galoi*: Hayami, 1968 [MM3917-3919]
- Inoceramus* sp. ex gr. *galoi*: Hayami, 1960c [MM9079]
- Inoceramus hamadae*: Hayami, 1960c [MM3601]
- Inoceramus hashiurensis*: Hayami, 1960c [MM3602]
- Inoceramus hobetsensis*: Nagao and Matsumoto, 1939 [MM6493-6495,9045,9047,9052]
- Inoceramus incertus*: Jimbo, 1894 [MM7481], Matsumoto, 1963 [MM7481]
- Inoceramus* (*Inoceramus*) *maedae*: Hayami, 1975 [MM9076]
- Inoceramus japonicus*: Nagao and Matsumoto, 1940 [MM6523,6524], Matsumoto and Ueda, 1962 [MM6524]
- Inoceramus* (s. l.) *kudoii*: Hayami, 1960c [MM9088-9090,9093]
- Inoceramus* aff. *lobatus*: Jimbo, 1894 [MM7538]
- Inoceramus* cf. *lucifer*: Hayami, 1960c [MM3603]
- Inoceramus maedae*: Hayami, 1960c [MM9069,9076,9077,9078a,9078b]
- Inoceramus maedae* var. a: Hayami, 1960c [MM9070]
- Inoceramus maedae* var. b: Hayami, 1960c [MM9071]
- Inoceramus morii*: Hayami, 1960c [MM3595,3596]
- Inoceramus* (s. l.) *morii*: Hayami, 1959c [MM2953-2955]

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## Mesozoic Bivalvia (continued)

- Inoceramus (Mytiloceramus) kakuwensis*: Hayami, 1960c [MM3597,3598]
- Inoceramus(?) naganoensis*: Hayami, 1960c [MM3611]
- Inoceramus naumanni*: Nagao and Matsumoto, 1940 [MM6526-6529]
- Inoceramus* cf. *nitescens*: Hayami, 1960c [MM3600]
- Inoceramus ogurai*: Kobayashi, 1926 [MM9086], Hayami, 1960c [MM9086]
- Inoceramus orientalis*: Nagao and Matsumoto, 1940 [MM6531,7964]
- Inoceramus orientalis* var. *ambiguus*: Nagao and Matsumoto, 1940 [MM6533, 7538]
- Inoceramus orientalis nagaoi*: Matsumoto, 1963 [MM7538]
- Inoceramus orientalis orientalis*: Matsumoto, 1963 [MM7536]
- Inoceramus pilvoensis*: Nagao and Matsumoto, 1940 [MM6552]
- Inoceramus sachalinensis*: Nagao and Matsumoto, 1940 [MM6542,7537], Matsumoto, 1963 [MM7537]
- Inoceramus sachalinensis* var. *ventriformis*: Nagao and Matsumoto, 1940 [MM6543]
- Inoceramus schmidtii*: Nagao and Matsumoto, 1940 [MM6534], Matsumoto, 1963 [MM7487]
- Inoceramus schmidtii* var. *mirabilis*: Nagao and Matsumoto, 1940 [MM6539]
- Inoceramus shikotanensis*: Nagao and Matsumoto, 1940 [MM6525]
- Inoceramus* sp.: Nagao and Matsumoto, 1939 [MM6507]
- Inoceramus* sp.: Nagao and Matsumoto, 1939 [MM9057-9059]
- Inoceramus(?)* sp.: Hayami, 1959c [MM2956]
- Inoceramus* sp. (sp. nov.): Nagao and Matsumoto, 1939 [MM6492]
- Inoceramus tenuistriatus*: Nagao and Matsumoto, 1939 [MM6484,6485]
- Inoceramus teshioensis*: Nagao and Matsumoto, 1939 [MM6486-6489]
- Inoceramus utanoensis*: Kobayashi, 1926 [MM9081,9082], Hayami, 1960c [MM 9081,9084,9085]
- Inoceramus uwajimensis*: Nagao and Matsumoto, 1939 [MM6497-6499]
- Inoceramus uwajimensis* var. *yeharai*: Nagao and Matsumoto, 1939 [MM6502, 6503,9056]
- Inoceramus yabei*: Nagao and Matsumoto, 1940 [MM6508,6509,9032,9034-9036, 9038]
- Inoceramus* sp. c aff. *yabei*: Nagao and Matsumoto, 1940 [MM9041]
- Inoceramus yokoyamai*: Nagao and Matsumoto, 1940 [MM6540]
- Inoperna plicata*: Hayami, 1975 [MM3264]
- Integricardium (Yokoyamaina) hayamii*: Hayami, 1972 [MM2866,2867], Hayami, 1975 [MM2864,2867]

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Mesozoic Bivalvia (continued)

- Isocyprina shizuhamensis*: Hayami, 1959c [MM2970-2972]  
*Isodomella shiroiensis*: Hayami, 1975 [MM7885]  
*Isognomon* a sp.: Hayami, 1957b [MM2687]  
*Isognomon* b sp.: Hayami, 1957b [MM2688]  
*Isognomon (Mytiloperna) ageroensis*: Hayami, 1957b [MM2680-2684]  
*Isognomon rikuzenicus*: Hayami, 1957b [MM2675-2679, 7176]  
*Isognomon* cfr. *rikuzenicus*: Hayami, 1957b [MM2685, 2686]  
*Isognomon* sp.: Hayami, 1961b [MM3680]  
*Kobayashites hemicylindricus*: Hayami, 1959e [MM3130-3134], Hayami, 1975 [MM3130]  
*Lanceolaria sakaii*: Suzuki, 1942 [MM6404-6406]  
*Latitrigonia multicostata*: Kobayashi, 1957c [MM4400]  
*Latitrigonia orbicularis*: Kobayashi, 1957b [MM4392, 4393]  
*Latitrigonia pyramidalis*: Kobayashi and Tamura, 1957 [MM4378], Hayami, 1975 [MM4378]  
*Latitrigonia tetoriensis*: Kobayashi, 1957b [MM4389-4391]  
*Latitrigonia unicarinata*: Kobayashi and Tamura, 1957 [MM4379]  
*Latitrigonia unituberculata*: Kobayashi and Tamura, 1957 [MM4380]  
*Leionucula azenotanensis*: Ichikawa and Maeda, 1958 [MM7723]  
*Leptochondria?* sp.: Ichikawa, 1954a [MM5433]  
*Lima (Ctenoides) tosana*: Kimura, 1951 [MM7126], Tamura, 1959c [MM3065, 3066]  
*Lima naumanni*: Kobayashi and Ichikawa, 1949b [MM5211-5213]  
*Lima naumanni* var. *obliqua*: Kobayashi and Ichikawa, 1949b [MM5214, 5215]  
*Lima (Plagiostoma) enormicosta*: Tamura, 1959e [MM3226-3229], Tamura, 1960a [MM3619]  
*Lima (Plagiostoma?) kuromagariensis*: Kobayashi and Ichikawa, 1949b [MM5218]  
*Lima (Plagiostoma)* sp.: Tamura, 1959c [MM3067]  
*Lima (Plagiostoma)* sp.: Tamura, 1959e [MM3230]  
"Lima" sp.: Hayami, 1959h [MM3410]  
*Limatula akiyamae*: Hayami, Sugita and Nagumo, 1960 [MM3947, 3948]  
*Limatula asoensis*: Tokuyama, 1960a [MM4551, 4552]  
*Limatula iwayae*: Hayami, 1959g [MM3173-3175]  
*Limatula reticulata*: Tamura, 1959c [MM3064]  
*Linotrigonia toyamai*: Kobayashi, 1956a [MM4375-4377]



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## Mesozoic Bivalvia (continued)

- Liostrea (Catinula) shiraiwensis*: Tokuyama, 1960b,c [MM4572-4576]
- Liostrea (Catinula) cf. stoliczkai*: Tamura, 1960a [MM3629,3630]
- Liostrea* sp.: Tamura, 1959b [MM3006]
- Liostrea toyorensis*: Hayami, 1959h [MM3428-3430]
- Lopha a* sp.: Hayami, 1959d [MM3128]
- Lopha b* sp.: Hayami, 1959d [MM3129]
- Lopha cf. eruca*: Tamura, 1960a [MM7151,7152a,7152b]
- Lopha gregarea*: Tamura, 1960a [MM7149]
- Lopha cf. marshii*: Tamura, 1960a [MM7150]
- Lopha sazanami*: Hayami, 1959h [MM3431-3433]
- Lucina* (s. l.) *hasei*: Hayami, 1959h [MM3455-3458]
- "*Lucina*" *toishiyamensis*: Tamura, 1960a [MM3624-3626]
- Lucina tsunoensis*: Kimura, 1956 [MM7160,7161], Tamura, 1959d [MM3102,3103]
- Megalodon?* sp.: Ichikawa, 1954d [MM5488]
- "*Megalodus*" *a* sp.: Kobayashi and Ichikawa, 1950c [MM5162]
- "*Megalodus*"(?) *b* sp.: Kobayashi and Ichikawa, 1950c [MM5163]
- Meleagrinella japonica*: Hayami, 1959h [MM3368-3370]
- Meleagrinella okayamensis*: Hayami, 1961a [MM3676,3677]
- Mesolinga masatanii*: Hayami, 1961b [MM3684-3686]
- Micronectes bellaturus*: Ichikawa and Maeda, 1958 [MM7738]
- Minepharus triadicus*: Hayami, 1975 [MM4470,4475]
- Minetrigonia hegiensis*: Kobayashi and Ichikawa, 1952a [MM4245,5026-5028, 5390-5393]
- Minetrigonia hegiensis hegiensis*: Hayami, 1975 [MM5026]
- Minetrigonia katayamai*: Ichikawa, 1954d [MM5461,5462], Tokuyama, 1960b,c [MM4582-4586]
- Modiolus bakevelloides*: Hayami, 1958d [MM2822], Hayami, 1975 [MM2719]
- Modiolus cf. bipartitus*: Tamura, 1960b [MM3261,3262]
- Modiolus falcatus*: Amano, 1957 [MM6466b]
- Modiolus (Inoperna) plicatus*: Tamura, 1960b [MM3263-3266]
- Modiolus (Inoperna)* sp.: Hayami, 1959c [MM2945,2946]
- Modiolus (Inoperna)* sp.: Tamura, 1960b [MM3267]
- Modiolus maedae*: Hayami, 1959f [MM3145-3148]
- Modiolus magatama*: Hayami, 1959h [MM3366,3367]

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## Mesozoic Bivalvia (continued)

- Modiolus nagatoensis*: Tokuyama, 1960a [MM4561]  
*Modiolus okubatensis*: Tokuyama, 1960b,c [MM4587-4589]  
*Monotis (Entomonotis) ochotica densistriata*: Ichikawa, 1963 [MM5080]  
*aff. Monotis (Entomonotis) ochotica eurachis*: Ichikawa, 1963 [MM5081]  
*Myoconcha planata*: Ichikawa, 1954a [MM5422]  
*Myoconcha* sp.: Ichikawa, 1954a [MM5423]  
*Myoconcha?* sp.: Tamura, 1960c [MM3271,3272]  
*Myoconcha trapezoidalis*: Kobayashi and Ichikawa, 1950a [MM5148,5149]  
*Myoconcha trapezoidalis* var. *posteroexpansa*: Kobayashi and Ichikawa, 1950a [MM5151]  
*Myopholas* cf. *acuticostata*: Tamura, 1960c [MM3295,3296]  
*Myophorella (Haidaia) crenulata*: Kobayashi and Tamura, 1955 [MM4358-4360], Hayami, 1961c [MM4840]  
*Myophorella (Haidaia) crenulata* var. *lunulata*: Kobayashi and Tamura, 1955 [MM4361,4362]  
*Myophorella (Haidaia) gracilenta*: Kobayashi, 1956a [MM4373], Tamura, 1959b [MM2994-2996]  
*Myophorella (Haidaia) n. sp.*: Kobayashi, 1956a [MM4374]  
*Myophorella (Haidaia) ohmachii*: Tamura, 1959b [MM2997-3000]  
*Myophorella (Haidaia) pulex*: Tamura, 1959b [MM2988-2991]  
*Myophorella (Haidaia) subcircularis*: Kobayashi and Tamura, 1955 [MM4363]  
*Myophorella (Myophorella) dekaiboda*: Kobayashi and Tamura, 1955 [MM4346-4349]  
*Myophorella (Promyophorella) a* sp.: Tamura, 1959b [MM3115]  
*Myophorella (Promyophorella?) b* sp.: Tamura, 1959b [MM3002]  
*Myophorella (Promyophorella?) hashimotoi*: Kobayashi, 1956a [MM4369-4372]  
*Myophorella (Promyophorella) imamurai*: Kobayashi, 1956a [MM4368]  
*Myophorella (Promyophorella) obsoleta*: Kobayashi and Tamura, 1955 [MM4357], Kobayashi, 1956a [MM4367]  
*Myophorella (Promyophorella) orientalis*: Kobayashi and Tamura, 1955 [MM4355], Kobayashi, 1957b [MM4394-4396], Kobayashi, 1957c [MM4404-4407], Hayami, 1968 [MM3923,3924,3946,3947]  
*Myophorella (Promyophorella) sigmoidalis*: Kobayashi and Tamura, 1955 [MM4350-4352], Hayami, 1959c [MM2965], Hayami, 1975 [MM4350]  
*Myophorella (Promyophorella) sp. nov.*: Kobayashi, 1957c [MM4408,4409]  
*Myophorella (Promyophorella) sugayensis*: Kobayashi and Tamura, 1955 [MM4353]

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## Mesozoic Bivalvia (continued)

- Myophorella* (*Promyophorella*) *sugayensis* var. *geniculata*: Kobayashi and Tamura, 1955 [MM4354]
- Myophoria* a sp. nov.: Kambe, 1951 [MM6473]
- Myophoria* b sp. nov.: Kambe, 1951 [MM6474]
- Myophoria dieneri*: Kobayashi and Ichikawa, 1949b [MM5223,5224]
- Myophoria dieneri* var. *longa*: Kobayashi and Ichikawa, 1949b [MM5225]
- Myophoria goldfussi* var. *kobayashii*: Kambe, 1951 [MM6477]
- Cfr. *Myophoria laevigata* var. *elongata*: Kambe, 1951 [MM6475]
- Cfr. *Myophoria laevigata* var. *rotunda*: Kambe, 1951 [MM6476]
- Myophoria multistriata*: Ichikawa, 1954a [MM5427-5429]
- Myophoria nakajimensis*: Kobayashi and Ichikawa, 1949b [MM5227]
- Myophoria okuminotaniensis*: Kobayashi and Ichikawa, 1949b [MM5231-5233]
- Myophoria shidakensis*: Kambe, 1951 [MM6472]
- Myophoria* sp.: Ichikawa, 1954a [MM5426]
- Myophoria* sp. nov.: Kobayashi and Ichikawa, 1949b [MM5228]
- Myophoria tangoensis*: Kambe, 1951 [MM6471]
- Myophoria tokyoensis*: Ichikawa, 1954a [MM5431]
- Myophoria umenokiensis*: Kobayashi and Ichikawa, 1949b [MM5229]
- Myophoriopsis* (*Pseudocorbula*?) *orbicularis*: Ichikawa, 1950 [MM5183,5184]
- Myrene* (*Mesocorbicula*) *tetoriensis*: Hayami, 1975 [MM7011]
- Mysidioptera ominensis*: Tokuyama, 1960b,c [MM4591,4592]
- Mytilus*(?) *chohi*: Ichikawa, 1954a [MM5419,5420]
- Mytilus* (*Falcimytilus*) *heranirus*: Hayami, 1958a [MM2723,2724]
- Mytilus* (*Falcimytilus*) *heranirus* subsp.: Hayami, 1958a [MM2730]
- Mytilus* (*Falcimytilus*) *hirabarensis*: Tokuyama, 1960b,c [MM4590]
- Mytilus* (*Falcimytilus*) *nasai*: Kobayashi and Ichikawa, 1950a [MM5134a,5134b]
- Mytilus* (*Falcimytilus*) *nasai* var. *hirataides*: Kobayashi and Ichikawa, 1950a [MM5136]
- Mytilus* (*Falcimytilus*) *nasai* var. *nagaides*: Kobayashi and Ichikawa, 1950a [MM5135], Ichikawa, 1954c [MM5490]
- Mytilus* (*Falcimytilus*) sp.: Hayami, 1958a [MM2725,2733]
- Mytilus* (*Falcimytilus*) sp. nov.: Kobayashi and Ichikawa, 1950a [MM5141]
- Mytilus* (*Falcimytilus*) *stricapillatus*: Hayami, 1958a [MM2726-2729]
- Mytilus* (*Falcimytilus*) *stricapillatus* subsp.: Hayami, 1958a [MM2731,2732]
- Mytilus*(?) *punctus*: Ichikawa, 1954a [MM5424,5425]

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## Mesozoic Bivalvia (continued)

- Mytilus tenuiformis*: Kobayashi and Ichikawa, 1950a [MM5139]  
*Mytilus tenuiformis* var. *punctatus*: Kobayashi and Ichikawa, 1950a [MM5140]  
*Navicula* sp.: Matsumoto, 1938a [MM7744]  
*Neithea kotsubu*: Kimura, 1951 [MM7109,7110]  
*Neithea* (*Neithea*?) *alta*: Hayami and Noda, 1977 [MM5698-5702]  
*Neithea* (*Neithea*) *atava*: Hayami and Noda, 1977 [MM5703-5707]  
*Neoburmesia iwakiensis*: Tamura, 1960c [MM3282,3283], Hayami, 1975 [MM3283]  
*Neoschizodus* a sp.: Ichikawa, 1954b [MM5450]  
*Neoschizodus* a sp.: Ichikawa, 1954d [MM5453b]  
*Neoschizodus* b sp.: Ichikawa, 1954b [MM5451]  
*Neoschizodus*? b sp.: Ichikawa, 1954d [MM5464]  
*Neoschizodus* (*Okunominetania*) *okunominetaniensis*: Ichikawa, 1954d [MM5231, 5232,5453a]  
*Neoschizodus*? sp.: Ichikawa, 1954b [MM5449]  
*Nipponitrigonia convexa*: Kobayashi, 1957a [MM4442-4446]  
*Nipponitrigonia naumanni*: Kobayashi, 1957a [MM4437-4440]  
*Nipponitrigonia* cfr. *naumanni*: Kobayashi, 1957a [MM4441]  
*Nipponitrigonia sagawai*: Kobayashi, 1957a [MM4427-4436]  
*Nipponitrigonia sakamotoensis*: Kobayashi, 1957a [MM4447,4448]  
*Nipponitrigonia*(?) sp.: Kobayashi, 1957c [MM4402]  
*Nippononaia ryosekiana*: Hayami and Ichikawa, 1965 [MM7000], Hayami, 1975 [MM7000]  
*"Nucula" iwayai*: Ichikawa, 1949 [MM5246]  
*Nuculana* (*Dacromya*) *minutula*: Kimura, 1956 [MM7157]  
*Nuculana* (*Dacromya*) *stenodolichos*: Kimura, 1956 [MM7154]  
*Nuculana* (*Dacryomya*) *konishii*: Hayami, 1961a [MM3675]  
*Nuculana* (*Dacryomya*) *stenodolichos*: Tamura, 1959c [MM3029,3030], Tamura, 1959e [MM3208]  
*Nuculana* (*Dacryomya*) *toriyamae*: Hayami, 1959h [MM3352,3353]  
*Nuculana* (*Praesaccella*) *erinoensis*: Tamura, 1959c [MM3017-3019]  
*Nuculana* (*Praesaccella*) sp.: Hayami, Sugita and Nagumo, 1960 [MM3634]  
*Nuculana* (*Praesaccella*) *yatsushiroensis*: Tamura, 1959c [MM3020,3021]  
*Nuculana* (*Praesaccella*) sp. ex gr. *yatsushiroensis*: Hayami, Sugita and Nagumo, 1960 [MM3635]  
*Nuculana* (*Rollieria*?) *erinoensis*: Kimura, 1956 [MM7153]

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Mesozoic Bivalvia (continued)

- Nuculopsis* (*Palaeonucula*) *aff. expansa*: Ichikawa, 1954c [MM5465]  
*Nuculopsis* (*Palaeonucula*) *mitaraiensis*: Hayami, 1959f [MM3141-3143]  
*Nuculopsis* (*Palaeonucula*) *sp.*: Hayami, 1959f [MM3144]  
*Nuculopsis* (*Palaeonucula*) *sp.*: Hayami, 1959h [MM3350]  
*Oistotrigonia prima*: Kobayashi and Tamura, 1955 [MM4364,4365]  
*Opis* (*Coelopsis*) *tanourensis*: Tamura, 1959d [MM3091,3092]  
*Opis* (*Coelopsis*?) *sp.*: Tamura, 1960d [MM3318]  
*Opis* (*Trigonopsis*) *torinosuensis*: Kimura, 1956 [MM7170], Tamura, 1959d [MM3087-3089], Tamura, 1960d [MM3317]  
*Opis* (*Trigonopsis*) *trigonalis*: Tamura, 1959d [MM3098-3100]  
*Orthotrigonia corrugata*: Kobayashi and Mori, 1955 [MM4345]  
*Orthotrigonia midareta*: Kobayashi and Mori, 1955 [MM4344]  
*"Ostrea"* *a sp.*: Hayami, 1958a [MM2742]  
*"Ostrea"* *b sp.*: Hayami, 1958a [MM2743]  
*Ostrea* (*Crassostrea*) *yoshimoensis*: Kobayashi and Suzuki, 1939 [MM7916,7917]  
*Ostrea ryosekiensis*: Kobayashi and Suzuki, 1939 [MM7913-7915]  
*Ostrea sp. a* (*sp. nov.*?): Matsumoto, 1938a [MM7859]  
*Ostrea sp. b* (*sp. nov.*?): Matsumoto, 1938a [MM7861]  
*Oxytoma atsuense*: Tokuyama, 1959b [MM4522]  
*Oxytoma cf. cygnipes*: Hayami, 1959h [MM3371]  
*"Oxytoma" dieneri*: Kobayashi and Ichikawa, 1950b [MM5112]  
*Oxytoma inequivalve*: Hayami, 1959h [MM3375,3376]  
*Oxytoma cf. inequivalve*: Hayami, 1959c [MM2947-2952]  
*Oxytoma kashiwaiensis*: Kobayashi and Ichikawa, 1950b [MM5116-5118]  
*Oxytoma kobayashii*: Hayami, 1959h [MM3372-3374]  
*Oxytoma multistriatum*: Tokuyama, 1959b [MM4523,4524]  
*Oxytoma* (*Oxytoma*) *mojsisovicsi*: Hayami, 1975 [MM5101]  
*Oxytoma pulchra*: Kobayashi and Ichikawa, 1950b [MM5119], Ichikawa, 1954c [MM5422,5423,5497a,5497b,5498,5499,5523], Tokuyama, 1960b,c [MM4577]  
*Oxytoma pulchrum*: Tokuyama, 1959b [MM4519]  
*Oxytoma sedaka*: Kobayashi and Ichikawa, 1950b [MM5123-5127]  
*Oxytoma* (?) *sp.*: Hayami, 1958a [MM2740,2741]  
*Oxytoma sp. nov.*: Kobayashi and Ichikawa, 1950b [MM5113-5115]  
*Oxytoma subzitteli*: Kobayashi and Ichikawa, 1950b [MM5109,5110], Tokuyama, 1959b [MM4520,4521]

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## Mesozoic Bivalvia (continued)

- Oxytoma sujimabara*: Kobayashi and Ichikawa, 1950b [MM5120-5122]
- Oxytoma tetoriense*: Hayami, 1959f [MM3155,3156]
- Oxytoma yaharai*: Kobayashi and Ichikawa, 1950b [MM5101,5102,5111]
- Oxytoma zitteli*: Kobayashi and Ichikawa, 1950b [MM5103-5106], Tokuyama, 1959b [MM4516-4518]
- Palaeoneilo a* sp.: Ichikawa, 1954c [MM5447]
- Palaeoneilo b* sp.: Ichikawa, 1954c [MM5448]
- Palaeoneilo fujinohira*: Ichikawa, 1954c [MM5464a,5464b,5464c]
- Palaeoneilo iwaiensis*: Ichikawa, 1954b [MM5441a,5441b,5442]
- Palaeoneilo sakuradaniensis*: Ichikawa, 1954b [MM5440a,5440b], Ichikawa, 1954c [MM5445,5446]
- Palaeoneilo* sp.: 1959f [MM3139,3140]
- Palaeoneilo tenelliformis*: Ichikawa, 1949 [MM5247]
- Palaeopharus maizurensis*: Kobayashi and Ichikawa, 1951 [MM5301-5304], Kobayashi and Ichikawa, 1952a [MM5376-5378], Hayami, 1975 [MM5301]
- Palaeopharus (Minepharus) triadicus*: Tokuyama, 1958c [MM4470-4476]
- Palaeopharus oblongatus*: Tokuyama, 1958c [MM4477-4480]
- Palaeopharus oblongatus buriji*: Tokuyama, 1958c [MM4481]
- Parainoceramus lunaris*: Hayami, 1960c [MM3582,3583]
- Parainoceramus matsumotoi*: Hayami, 1960c [MM3584-3591]
- Parainoceramus cf. matsumotoi*: Hayami, 1960c [MM3592]
- Parainoceramus* sp. ex gr. *matsumotoi*: Hayami, 1960c [MM3593]
- Parallelodon inflatus*: Tamura, 1959c [MM3022,3023]
- Parallelodon aff. inflatus*: Tamura, 1959e [MM3196-3198]
- Parallelodon infraliassicus*: Hayami, 1959h [MM3355-3357]
- Parallelodon cf. infraliassicus*: Hayami, 1959h [MM3359]
- "*Parallelodon*" *infrequens*: Kobayashi and Ichikawa, 1950c [MM5164]
- Parallelodon kesennumensis*: Hayami, Sugita and Nagumo, 1960 [MM3636,3637]
- Parallelodon koikensis*: Tamura, 1959e [MM3193-3195]
- Parallelodon niranohamensis*: Hayami, 1958c [MM2871-2874], Hayami, 1959a [MM2924,2925]
- Parallelodon (Palaeocucullaea) monobensis*: Tokuyama, 1960b,c [MM4565-4571], Hayami, 1975 [MM4571]
- Parallelodon* sp.: Hayami, 1958d [MM2800]
- Parallelodon(?) subnavicellus*: Hayami, 1959h [MM3360]

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## Mesozoic Bivalvia (continued)

- Parallelodon (Torinosucatella) kobayashii*: Hayami, Sugita and Nagumo, 1960 [MM3638], Hayami, 1975 [MM3206,3207]
- Paranodonta otai*: Kobayashi and Suzuki, 1936 [MM7921-7925], Hayami, 1975 [MM7921]
- Pecten fujimotoi*: 1935b [MM4225,5032]
- Pecten (Neithea) cfr. morrisi*: Amano, 1957 [MM6462-6467]
- "*Pecten*" sp.: Ichikawa, 1954a [MM5437]
- Pecten suzukii* var. *inflatus*: Kobayashi and Ichikawa, 1949a [MM5203]
- Pecten (Velopecten) suzukii*: Kobayashi, 1931d [MM5029-5031]
- Perna rikuzenica*: Yokoyama, 1904a [MM7176]
- Pholadomya? ashikitensis*: Tamura, 1959d [MM3119,3120]
- Pholadomya somensis*: Tamura, 1960c [MM3278-3281]
- Pholadomya cf. somensis*: Tamura, 1960a [MM3628]
- Pholadomya* sp.: Hayami, 1959c [MM2975]
- Pinctada (Eopinctada) matsumotoi*: Tamura, 1961 [MM3704-3708], Hayami, 1975 [MM3704]
- Pinna cf. mitis*: Tamura, 1960c [MM3273,3274]
- Pinna* sp. ex gr. *sandsfootensis*: Hayami, 1959f [MM3153,3154]
- Pinna* sp.: Hayami, Sugita and Nagumo, 1960 [MM3942]
- Plagiostoma higaeribarense*: Tokuyama, 1960a [MM4548,4549]
- Plagiostoma higaeribarense* var. *yuguchiense*: Tokuyama, 1960a [MM4550]
- Plagiostoma kobayashii*: Hayami, 1959h [MM3411-3413]
- Plagiostoma matsumotoi*: Hayami, 1959h [MM3414-3418]
- Plagiostoma (Plagiostoma) sp.*: Hayami, 1968 [MM3922]
- Plagiostoma* sp.: Hayami, 1959h [MM3420]
- Plagiostoma* sp. ex gr. *subcardiiforme*: Hayami, 1961b [MM3682]
- Pleuromya forsbergi nipponica*: Kobayashi and Ichikawa, 1950c [MM5159]
- Pleuromya hashidatensis*: Hayami, 1958d [MM2808,2809]
- Pleuromya hidensis*: Hayami, 1959g [MM3179,3180]
- Pleuromya? punctostriæ*: Tamura, 1959d [MM3112-3114], Tamura, 1960c [MM3276]
- Pleuromya punctostriæ*: Tamura, 1960a [MM3623]
- Pleuromya* sp.: Hayami, 1959h [MM3467]
- Pleuromya* sp.: Hayami, Sugita and Nagumo, 1960 [MM3657]
- Pleuromya(?) sp.*: Kobayashi and Ichikawa, 1952a [MM5385]
- Pleuromysidia dubia*: Ichikawa, 1954c [MM5475-5479,5486]

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## Mesozoic Bivalvia (continued)

- Pleuronectites hirabarensis*: Amano, 1955 [MM6452-6457]
- Pleurophorus oblongatus*: Kobayashi and Ichikawa, 1950a [MM5144]
- Pleurophorus oblongatus* var. *compressus*: Kobayashi and Ichikawa, 1950a [MM5145]
- Plicatounio nakdongensis*: Kobayashi and Suzuki, 1936 [MM7926-7929, 7930a, 7930b, 7930c]
- Plicatounio* (*Plicatounio*) *nakdongensis nakdongensis*: Hayami, 1975 [MM7926]
- Plicatounio triangularis*: Kobayashi and Suzuki, 1936 [MM7931]
- Plicatula dichotomocosta*: Tamura, 1959e [MM3232-3235]
- Plicatula* sp. aff. *dichotomocosta*: Tamura, 1960a [MM7145]
- Plicatula hekiensis*: Tokuyama, 1960a [MM4553-4556]
- Plicatula prae nipponica*: Hayami, 1959h [MM3406-3409]
- Plicatula subcircularis*: Hayami, 1959h [MM3401-3404]
- Plicatula yatsujiensis*: Tamura, 1960a [MM3620-3622]
- Polymesoda shiroiensis*: Kobayashi and Suzuki, 1939 [MM7878-7886]
- Portlandia* sp. aff. *P. furcata*: Ichikawa and Maeda, 1958 [MM7726]
- Posidonia japonica*: Kobayashi and Hukasawa, 1940 [MM5035a, 5035b, 5035c, 5035d]
- Posidonia* sp. ex gr. *ornati*: Hayami, 1960b [MM3633]
- Posidonia* sp. ex gr. *ornati*: Hayami, 1961c [MM4838]
- Praeonia* cf. *tetragona*: Hayami, 1959h [MM3442-3444]
- Pronoella sugayensis*: Hayami, 1961b [MM3690-3692]
- Propeamussium habunokawensis*: Kimura, 1951 [MM7117a, 7117b]
- Prosogyrotrigonia inouyei*: Kobayashi and Mori, 1954 [MM4302-4304], Hayami, 1959h [MM3436-3438]
- Protocardia inaii*: Hayami, 1959e [MM3135-3137]
- Protocardia kurumensis*: Hayami, 1958d [MM2803-2806]
- Protocardia morii*: Hayami, 1960a [MM3572b, 3574-3578]
- Protocardia onoi*: Hayami, 1959h [MM3463-3465]
- Protocardia* sp.: Hayami, 1959g [MM3117]
- Protocardia tosensis*: Kimura, 1956 [MM7159], Tamura, 1959b [MM3007-3010], Tamura, 1960d [MM3330, 3331]
- Protocardium* sp.: Matsumoto, 1938a [MM7754, 7816]
- Pseudasaphis japonica*: Hayami, 1975 [MM7749]
- Pseudoasaphis japonicus*: Matsumoto, 1938a [MM7749, 7750, 7809, 7811]



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## Mesozoic Bivalvia (continued)

- Pseudolimea? naumanni*: Ichikawa, 1954d [MM5460b]  
*Pseudolimea? naumanni* var. *obliqua*: Ichikawa, 1954d [MM5460a]  
*Pseudomonotis (Eumorphotis) sp.*: Kobayashi, 1931d [MM4217]  
*Pseudomonotis (Eumorphotis) aff. spitzbergensis*: Kobayashi and Ichikawa, 1949c [MM5249-5251]  
*Pseudomonotis ochotica*: Mojsisovics, 1888 [MM5080,5081], Takagi, 1944 [MM 5069]  
*Pseudomonotis subcycloidea*: Kobayashi, 1935b [MM4221]  
*Pteria (s. l.) kitakamiensis*: Hayami, 1958a [MM2737,2738]  
*Pteria masatanii*: Tamura, 1960b [MM3236], Hayami, 1975 [MM3236]  
*"Pteria" mugikawensis*: Tokuyama, 1959b [MM4515]  
*"Pteria" sp.*: Tamura, 1960b [MM3237]  
*Pteria? sp.*: Ichikawa, 1954c [MM5480]  
*Pteria (s. l.) sp.*: Hayami, 1959f [MM3158]  
*"Pteria" sp. nov.*: Tokuyama, 1959b [MM4512-4514]  
*Pteroperna lingulata*: Tamura, 1960b [MM3248-3250]  
*Pteroperna pauciradiata*: Tamura, 1960b [MM3246,3247], Hayami, 1975 [MM3246]  
*Pteroperna sp.*: Tamura, 1959b [MM3012a,3012b]  
*Pteroperna sp.*: Tamura, 1960b [MM3251]  
*Pteroperna? sp.*: Tamura, 1960b [MM3252]  
*Pterotrigonia hokkaidoana*: Kobayashi and Nakano, 1957 [MM4456]  
*Pterotrigonia pocilliformis*: Kobayashi and Nakano, 1957 [MM4450-4452]  
*Pterotrigonia pocilliformis* var. *yamanokamiensis*: Kobayashi and Nakano, 1957 [MM4453-4455]  
*Radulonectites japonicus*: Hayami, 1957d [MM2689-2695], Hayami, 1975 [MM 2689,2690]  
*Radulonectites japonicus* var. *convexus*: Hayami, 1957d [MM2696]  
*Rutitrigonia amagensis*: Kobayashi, 1957c [MM4403], Hayami, 1968 [MM3927]  
*Rutitrigonia sanchuensis*: Kobayashi and Nakano, 1958 [MM4469]  
*Rutitrigonia yeharai*: Kobayashi, 1957a [MM4449], Kobayashi, 1957c [MM4401]  
*Sakawanella triadica*: Ichikawa, 1950 [MM5169-5174], Hayami, 1975 [MM5169]  
*Scaphotrigonia somensis*: Kobayashi and Tamura, 1957 [MM4385-4387]  
*Schafh utlia? a sp.*: Ichikawa, 1950 [MM5179]  
*Schafh utlia? b sp.*: Ichikawa, 1950 [MM5182]  
*Schafh utlia? c sp.*: Ichikawa, 1950 [MM5185]

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## Mesozoic Bivalvia (continued)

- Schafhäutlia mellingi japonica*: Ichikawa, 1950 [MM5177]  
*Schafhäutlia nakazawai*: Tokuyama, 1960b,c [MM4593-4595]  
*Schafhäutlia?* sp.: Ichikawa, 1954d [MM5468]  
*Solemya (Acharax?) murotoensis*: Kobayashi, 1957c [MM4397,4398]  
*Solemya kobayashii*: Tamura, 1960a [MM3615,3616]  
*Solemya* sp.: Kobayashi, 1957c [MM4399]  
*Solemya suprajurensis*: Hayami, 1959f [MM3138], Hayami, 1975 [MM3138]  
*Somapekten kamimanensis*: Kimura, 1951 [MM7119,7120], Tamura, 1959c [MM3069-3074], Tamura, 1959e [MM3225], Hayami, 1975 [MM7119,7120]  
*Somapteria koikensis*: Tamura, 1960b [MM3238-3245], Hayami, 1975 [MM3242]  
*Somarctica abukumensis*: Hayami, 1975 [MM3320]  
*Sphaeriola nipponica*: Hayami, 1959h [MM3450-3453], Hayami, 1975 [MM3450]  
*Sphaerium fulungchuanense*: Suzuki, 1942 [MM6407-6409]  
*Spondylus japonicus*: Amano and Marui, 1958 [MM6468,6469]  
*Steinmannella (Setotrigonia) shinoharai*: Kobayashi and Amano, 1955 [MM4424-4426], Hayami, 1975 [MM4424]  
*Steinmannella (Yeharella) Japonica*: Kobayashi and Amano, 1955 [MM4413-4416], Hayami, 1975 [MM4413]  
*Steinmannella (Yeharella) japonica* var. *obsoleta*: Kobayashi and Amano, 1955 [MM4417,4418]  
*Steinmannella (Yeharella) jimboi*: Kobayashi and Amano, 1955 [MM4420]  
*Steinmannella (Yeharella) kimurai*: Kobayashi and Amano, 1955 [MM4421,4422]  
*Steinmannella (Yeharella) lymani*: Kobayashi and Amano, 1955 [MM4419]  
*Steinmannella (Yeharella) sp.*: Kobayashi and Amano, 1955 [MM4423]  
*"Streblochondria" matsushitai*: Nakazawa, 1971 [MM3952]  
*Tancredia rostrata*: Tamura, 1959d [MM3110,3111]  
*Tetoria (Paracorbicula) yoshimoensis*: Hayami, 1975 [MM7992a]  
*Tetoria (Tetoria) yokoyamai*: Hayami, 1975 [MM7004]  
*Tetorimya carinata*: Hayami, 1959g [MM3181-3186], Hayami, 1975 [MM3181]  
*Tosapecten pseudohiemalis*: Kobayashi and Ichikawa, 1949a [MM5204]  
*Tosapecten pseudohiemalis* var. *mabarus*: Kobayashi and Ichikawa, 1949a [MM5205]  
*Tosapecten* sp.: Ichikawa, 1954b [MM5443]  
*Tosapecten suzukii*: Kobayashi and Ichikawa, 1949a [MM5029,5196-5198], Tamura, 1959a [MM3076-3079]  
*Tosapecten suzukii* s. str.: Ichikawa, 1954d [MM5454,5455]

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Mesozoic Bivalvia (continued)

- Tosapeecten suzukii* var. *fujimotoi*: Kobayashi and Ichikawa, 1949a [MM4225]  
*Tosapeecten suzukii* forma *hirogariformis*: Kobayashi and Ichikawa, 1949a [MM5199]  
*Tosapeecten suzukii* var. *inflatus*: Kobayashi and Ichikawa, 1949a [MM5032]  
*Tosapeecten suzukii* var. *paucicostatus*: Kobayashi and Ichikawa, 1949a [MM5202]  
*Tosapeecten suzukii okadai*: Tokuyama, 1960a [MM4562-4564, 4842-4847]  
*Tosapeecten suzukii* forma *regularis*: Kobayashi and Ichikawa, 1949a [MM5200]  
*Tosapeecten suzukii suzukii*: Hayami, 1975 [MM5029]  
*Thracia fukushimensis*: Tamura, 1960d [MM3325-3329]  
*Thracia shokawensis*: Hayami, 1959g [MM3188-3191]  
*Thracia* sp.: Hayami, 1958d [MM2815]  
*Thracia subrhombica*: Hayami, 1958d [MM2812-2814]  
*Trigonia hegiensis*: Saeki, 1925 [MM5026, 5027]  
*Trigonia hosourensis*: Yokoyama, 1904a [MM7174]  
*Trigonia longiloba*: Jimbo, 1894 [MM4465, 7489]  
*Trigonia (Lyriodon) sumiyagura*: Kobayashi and Kaseno, 1947 [MM4301]  
*Trigonia (Minetrigonia) hegiensis*: Kobayashi and Katayama, 1938 [MM4238, 4239]  
*Trigonia pocilliformis*: Yokoyama, 1891b [MM6904]  
*Trigonia senex*: Kobayashi and Mori, 1954 [MM4305]  
*Trigonia subovalis*: Jimbo, 1894 [MM7488]  
*Trigonia sumiyagura*: Kobayashi and Mori, 1954 [MM4306-4308], Hayami, 1959c [MM2962, 2963], Hayami, 1975 [MM2962, 4301]  
*Trigonia sumiyagura* var.: Kobayashi and Mori, 1954 [MM4309-4312]  
*Trigonia V-costata*: Yokoyama, 1904a [MM6908, 6909, 7177]  
*Trigonia yeharai*: Saeki, 1925 [MM5028]  
*Trigonioides kobayashii*: Matsumoto, 1938a [MM7845, 7846]  
*Trigonioides kodairai*: Kobayashi and Suzuki, 1936 [MM4226-4230], Kobayashi and Suzuki, 1941 [MM4240-4243]  
*Trigonioides kodairai paucisulcatus*: Suzuki, 1940 [MM6386-6393]  
*Trigonioides matumotoi*: Kobayashi, 1956c [MM7849]  
*Trigonoarca(?) obliquata*: Amano, 1957 [MM6460, 6461]  
*Trigonodus? hashimotoi*: Ichikawa, 1954d [MM5484a, 5484b, 5485]  
*Trigonucula sakawana*: Ichikawa, 1949 [MM5242, 5243], Hayami, 1975 [MM5242]

# MOLLUSCA

## Mesozoic Bivalvia (continued)

- Trigonucula sakawana* var. *inequilatera*: Ichikawa, 1954b [MM5438]  
*Trigonucula sakawana* var. *lata*: Ichikawa, 1949 [MM5245]  
*Trigonucula sakawana* var. *tokombensis*: Ichikawa, 1949 [MM5244]  
*Trigonucula?* sp.: Ichikawa, 1954b [MM5439]  
*"Unio"* cfr. *menkei*: Kobayashi and Suzuki, 1936 [MM4231,7919]  
*Unio (Nippononaia) ryosekiana*: Suzuki, 1941 [MM7000]  
*Unio ogamigoensis*: Kobayashi and Suzuki, 1937 [MM7001]  
*"Unio"* sp.: Kobayashi and Suzuki, 1936 [MM7933]  
*Variamussium habunokawense*: Tamura, 1959c [MM3031,3032]  
*Variamussium* cf. *habunokawense*: Hayami, Sugita and Nagumo, 1960 [MM3943-3945]  
*Variamussium(?)* sp.: Hayami, 1957e [MM2718]  
*Vaugonia awazuensis*: Kobayashi and Tamura, 1957 [MM4384]  
*Vaugonia (Hijitrigonia) geniculata*: Kobayashi and Mori, 1955 [MM4336-4341], Hayami, 1959c [MM2964], Hayami, 1975 [MM4338]  
*Vaugonia (Hijitrigonia) kojiwa*: Kobayashi and Mori, 1955 [MM4342,4343]  
*Vaugonia kodaijimensis*: Kobayashi and Mori, 1955 [MM4328-4331]  
*Vaugonia namigashira*: Kobayashi and Mori, 1955 [MM4332,4333]  
*Vaugonia niranohamensis*: Kobayashi and Mori, 1955 [MM4317-4320,4323]  
*Vaugonia niranohamensis* forma *irregularis*: Kobayashi and Mori, 1955 [MM4321,4322]  
*Vaugonia (Vaugonia) mindoroensis*: Hayami, 1968 [MM3925,3926]  
*Vaugonia yambarensis*: Kobayashi, 1956a [MM4366]  
*Vaugonia yokoyamai*: Kobayashi and Mori, 1955 [MM4324-4326]  
*Vaugonia yokoyamai* forma *gracilis*: Kobayashi and Mori, 1955 [MM4327]  
*Velata puncta*: Kimura, 1951 [MM7125]  
*VolSELLa bakevelloides*: Hayami, 1958a [MM2719-2721]  
*VolSELLa manchurica*: Suzuki, 1942 [MM6410,6411]  
*VolSELLa paronaiiformis*: Kobayashi and Ichikawa, 1950a [MM5133]  
*VolSELLa* sp.: Hayami, 1958a [MM2722]  
*Waagenoperna triangularis*: Tokuyama, 1959a [MM4489-4497], Hayami, 1975 [MM4494]  
*Yokoyamaina elliptica*: Hayami, 1958b [MM2864-2868,7173]  
*Yokoyamaina* cf. *elliptica*: Hayami, 1958b [MM2869]  
*Yokoyamaina(?)* sp.: Hayami, 1958b [MM2870]

## MOLLUSCA

### PALEOZOIC CEPHALOPODA

- Actinoceras coulingi*: Kobayashi, 1928 [PM0031]  
*Actinoceras curvatum*: Kobayashi, 1928 [PM0046,0047]  
*Actinoceras exogastrale*: Kobayashi, 1930 [PM0060]  
*Actinoceras harioi*: Kobayashi, 1928 [PM0040,0041]  
*Actinoceras manchurense*: Kobayashi, 1928 [PM0032-0034]  
*Actinoceras murakamii*: Kobayashi, 1928 [PM0048]  
*Actinoceras nanum*: Kobayashi, 1928 [PM0037-0039]  
*Actinoceras richthofeni*: Kobayashi, 1928 [PM0025-0027]  
*Actinoceras* sp.: Kobayashi, 1928 [PM0049]  
*Actinoceras* sp.: Kobayashi, 1958d [PM2314]  
*Actinoceras suampanoides*: Kobayashi, 1928 [PM0042-0045]  
*Actinoceras submarginale*: Kobayashi, 1928 [PM0035,0036]  
*Actinoceras tani*: Kobayashi, 1928 [PM0028-0030]  
*Armenoceras chediforme*: Kobayashi, 1959 [PM2348,2349]  
*Armenoceras coreanicum*: Kobayashi, 1934b [PM0697]  
*Armenoceras coulingi*: Kobayashi, 1941e [PM1848-1850]  
*Armenoceras manchurense*: Kobayashi, 1937d [PM0034]  
*Armenoceras richthofeni*: Kobayashi, 1937d [PM1707], Kobayashi, 1938a [PM1789]  
*Armenoceras tateiwai*: Kobayashi, 1934b [PM0698-0700]  
*Armenoceras ventrosiphonatum*: Kobayashi, 1937d [PM1705,1706]  
*Burenoceras(?) reticulatum*: Kobayashi, 1933a [PM0269-0271]  
*Cameroceras curvatoformis*: Kobayashi, 1931b [PM0200-0202]  
*Cameroceras (Proterocameroceras) mathieui*: Kobayashi, 1931a [PM0120-0123], Kobayashi, 1931b [PM0204-0206]  
*Cameroceras styliforme*: Kobayashi, 1931b [PM0203]  
*Cameroceras* cf. *styliforme*: Kobayashi, 1931a [PM0119]  
*Centrocyrtoceras kochyonense*: Kobayashi, 1934b [PM0055]  
*Centroonoceras tokunagai*: Kobayashi, 1934b [PM0655]  
*Clarkoceras poulsenii*: Kobayashi, 1931a [PM0116]  
*Coreanoceras kemipoense*: Kobayashi, 1931b [PM0209-0214], Kobayashi, 1936d [PM1380-1386], Kobayashi, 1937d [PM1711]  
*Coreanoceras* cf. *kemipoense*: Kobayashi, 1936d [PM1381,1382,1387,1388]  
*Coreanoceras kini*: Kobayashi, 1931b [PM0222]  
*Coreanoceras kokaiense*: Kobayashi, 1931b [PM0215-0219], Kobayashi, 1936d [PM0219]

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## Paleozoic Cephalopoda (continued)

- Coreanoceras shorinense*: Kobayashi, 1936d [PM0210]  
*Coreanoceras tenuicurvatum*: Kobayashi, 1931b [PM0220,0221]  
*Cyclendoceras orientale*: Kobayashi, 1934b [PM0611-0613]  
*Cycloceras chikunense*: Kobayashi, 1934b [PM0661]  
*Cycloceras* aff. *chikunense*: Kobayashi, 1934b [PM0662]  
*Cycloceras densiannulatum*: Kobayashi, 1934b [PM0656]  
*Cycloceras eccentricosiphonatum*: Kobayashi, 1934b [PM0664]  
*Cycloceras greciostatum*: Kobayashi, 1937c [PM1588]  
*Cycloceras kawasakii*: Kobayashi, 1930 [PM0059]  
*Cycloceras mantalense*: Kobayashi, 1930 [PM0058]  
*Cycloceras(?) peitoutzense*: Kobayashi, 1928 [PM0014]  
*Cycloceras* sp.: Kobayashi, 1934b [PM0660]  
*Cycloceras* sp.: Kobayashi, 1934b [PM0665]  
*Cycloceras subchikunense*: Kobayashi, 1934b [PM0663]  
*Cycloceras taihakuense*: Kobayashi, 1934b [PM0657-0659]  
*Cyrtendoceras holmi*: Kobayashi, 1933a [PM0277]  
*Cyrtoactinoceras mitsuishii*: Kobayashi, 1928 [PM0050]  
*Cyrtoeras(?) kochyonense*: Kobayashi, 1928 [PM0055]  
*Cyrtoeras (Meloceras)* aff. *asiaticum*: Kobayashi, 1928 [PM0054]  
*Cyrtonybyoceras curvatum*: Kobayashi, 1937d [PM0046]  
*Cyrtovalginceras pacificum*: Kobayashi, 1934b [PM0618]  
*Dawsonoceras(?) aquilonare*: Kobayashi, 1931a [PM0131]  
*Discoactinoceras multiplexum*: Kobayashi, 1928 [PM0051], Kobayashi, 1931b [PM0229]  
*Discoceras (Hardmanoceras?) chrysanthimum*: Kobayashi, 1959 [PM2351]  
*Discoceras (Hardmanoceras?) laeviventrum*: Kobayashi, 1959 [PM2352]  
*Ectenoceras curvatum*: Kobayashi, 1933a [PM0261,0262]  
*Ectenoceras subcurvatum*: Kobayashi, 1933a [PM0263]  
*Ectenoceras ruedemanni*: Kobayashi, 1933a [PM0264,0265]  
*Ellesmereoceras abruptum*: Kobayashi, 1933a [PM0259,0260]  
*Ellesmereoceras amplum*: Kobayashi, 1931a [PM0111], Kobayashi, 1931b [PM0194-0196]  
*Ellesmereoceras curvatum*: Kobayashi, 1931a [PM0108]  
*Ellesmereoceras elongatum*: Kobayashi, 1931a [PM0104-0107], Kobayashi, 1933a [PM0253,0254]

# MOLLUSCA

## Paleozoic Cephalopoda (continued)

- Ellesmereoceras(?) flexuostriatum*: Kobayashi, 1931a [PM0110]  
*Ellesmereoceras foerstei*: Kobayashi, 1933a [PM0257,0258]  
*Ellesmereoceras(?) multicameratum*: Kobayashi, 1931a [PM0112-0114]  
*Ellesmereoceras subcircularis*: Kobayashi, 1931a [PM0109], Kobayashi, 1933a [PM0110]  
*Ellesmereoceroid*, gen. et sp. undt.: Kobayashi, 1934c [PM0818]  
*Endoceras alticameratum*: Kobayashi, 1934b [PM0610]  
*"Endoceras" a sp.*: Kobayashi, 1937c [PM1585]  
*"Endoceras" b sp.*: Kobayashi, 1937c [PM1586]  
*"Endoceras" c sp.*: Kobayashi, 1937c [PM1587]  
*Endoceras(?) sp.*: Kobayashi, 1959 [PM2342]  
*Endoceroid*, gen. et sp. undt.: Kobayashi, 1934c [PM0819]  
*Endoceroid*, gen. et sp. indt.: Kobayashi, 1959 [PM2343]  
*Eremoceras wanwanense*: Kobayashi, 1931a [PM0115]  
*Foerstella faberi*: Kobayashi, 1937d [PM1710]  
*Geisonoceras abruptum*: Kobayashi, 1934b [PM0654]  
*Geisonoceras hyatti*: Kobayashi, 1934b [PM0653]  
*Jeholoceras robustum*: Kobayashi and Matsumoto, 1942 [PM1905-1907]  
*Kawasakiceras densistriatum*: Kobayashi, 1934b [PM0634]  
*Kochoceras(?) yokusenense*: Kobayashi, 1934b [PM0701]  
*Kotoceras cylindricum*: Kobayashi, 1934b [PM0622-0624]  
*Kotoceras grabau*: Kobayashi, 1934b [PM0628-0632], Kobayashi, 1936d [PM0002]  
*Kotoceras multiseptum*: Kobayashi, 1934b [PM0625,0626]  
*Kotoceras sp.*: Kobayashi, 1934b [PM0633]  
*Kotoceras typicum*: Kobayashi, 1934b [PM0619-0621]  
*Linormoceras centrale*: Kobayashi and Matsumoto, 1942 [PM1904]  
*Loxoceras aff. moniliforme*: Kobayashi, 1928 [PM0015]  
*Loxoceras yokoyamai*: Kobayashi, 1928 [PM0016]  
*Manchuroceras hanense*: Kobayashi, 1977a [PM4885]  
*Manchuroceras kobayashii*: Kobayashi, 1977a [PM4883]  
*Manchuroceras cf. platyventrum*: Kobayashi, 1977a [PM4882]  
*Manchuroceras? sp.*: Kobayashi, 1977a [PM4886]  
*Manchuroceras tenuise*: Kobayashi, 1977a [PM4884]

# MOLLUSCA

## Paleozoic Cephalopoda (continued)

- Manchuroceras wolungense*: Kobayashi, 1937d [PM0125,1708,1709]  
*Maruyamaceras peshanensis*: Kobayashi, 1931b [PM0277]  
*Maruyamaceras shimamurai*: Kobayashi, 1931b [PM0225]  
*Maruyamaceras(?) sp.*: Kobayashi, 1931b [PM0228]  
*Maruyamaceras watanabei*: Kobayashi, 1931b [PM0226]  
*Michelinoceras hidense*: Kobayashi, 1958b [PM2315]  
*Multicameroceras cylindricum*: Kobayashi, 1933a [PM0274,0275]  
*Multicameroceras multicameratum*: Kobayashi, 1933a [PM0272,0273]  
*Onoceras katoi*: Kobayashi, 1928 [PM0053]  
*Ooceras(?) tokunagai*: Kobayashi, 1928 [PM0052]  
*Ordosoceras jeholense*: Kobayashi, 1977b [PM3894]  
*Ormoceras bolivianum*: Kobayashi, 1937c [PM1589,1590]  
*Ormoceras cricki*: Kobayashi, 1934b [PM0694,0695]  
*Ormoceras foordi*: Kobayashi, 1934b [PM0693]  
*Ormoceras koraiense*: Kobayashi, 1934b [PM0688-0691]  
*Ormoceras langkawiense*: Kobayashi, 1959 [PM2344-2346]  
*Ormoceras(?) nanumforme*: Kobayashi, 1934b [PM0692]  
*Ormoceras sp.*: Kobayashi, 1959 [PM2347]  
*Ormoceras woodwardsi*: Kobayashi, 1934b [PM0696]  
*Orotocycloceras(?) kogenense*: Kobayashi, 1928 [PM0012]  
*Orthoceras coreanicum*: Kobayashi, 1928 [PM0008,0009]  
*Orthoceras haradai*: Kobayashi, 1931a [PM0130]  
*Orthoceras kawasakii*: Kobayashi, 1928 [PM0004,0005]  
*Orthoceras makkolense*: Kobayashi, 1928 [PM0006,0007]  
*Orthoceras nakamurai*: Kobayashi, 1928 [PM0010], Kobayashi, 1934b [PM0010, 0641,0642]  
*Orthoceras reticulatum*: Kobayashi, 1934b [PM0639]  
*Orthoceras seihekiense*: Kobayashi, 1934b [PM0637,0638]  
*Orthoceras yŭi*: Kobayashi, 1934b [PM0635]  
*Paravaginoceras parvodepressum*: Kobayashi, 1934b [PM0617]  
*Piloceras platyventrum*: Kobayashi, 1931b [PM0207]  
*Piloceras sp.*: Kobayashi, 1931b [PM0208]  
*Piloceras wolungense*: Kobayashi, 1931a [PM0124-0128]  
*Piloceras wolungense var. compressa*: Kobayashi, 1931a [PM0129]



# MOLLUSCA

## Paleozoic Cephalopoda (continued)

- Plectronoceras liaotungense*: Kobayashi, 1935a [PM0901]  
*Polydesmia canaliculata*: Kobayashi, 1940c [PM1837]  
*Polydesmia canaliculata* forma magna: Kobayashi, 1940c [PM1838]  
*Polydesmia (Maruyamacerina) peshanense*: Kobayashi, 1940c [PM0227]  
*Polydesmia shimamurai*: Kobayashi, 1940c [PM0225]  
*Polydesmia* sp.: Kobayashi, 1940c [PM0228]  
*Polydesmia watanabei*: Kobayashi, 1940c [PM0226]  
*Primitia* sp.: Kobayashi, 1934b [PM0785]  
*Protocycloceras chikunense*: Kobayashi, 1928 [PM0011]  
*Protocycloceras(?) deprati*: Kobayashi, 1928 [PM0013]  
*Robsonoceras(?) meridionale*: Kobayashi, 1934b [PM0607-0609]  
*Robsonoceras* sp.: Kobayashi, 1955a [PM2115]  
*Sactoceras eccentricum*: Kobayashi, 1934b [PM0676]  
*Sactoceras shirakii*: Kobayashi, 1934b [PM0678-0682]  
*Sactoceras yokoyamai*: Kobayashi, 1934b [PM0683-0687]  
*Sactorthoceras gonioseptum*: Kobayashi, 1934b [PM0649,0650]  
*Sactorthoceras makkolense*: Kobayashi, 1934b [PM0644]  
*Sactorthoceras shimamurai*: Kobayashi, 1934b [PM0643]  
*Sactorthoceras tenuicurvatum*: Kobayashi, 1934b [PM0645,0646]  
*Sactorthoceras wongiforme*: Kobayashi, 1934b [PM0647,0648]  
*Salterella conulata*: Kobayashi, 1937e [PM1712]  
*Salterella(?) orientalis*: Kobayashi, 1935c [PM0951]  
*Selkirkoceras taepaekense*: Kobayashi, 1977c [PM4209]  
*Selkirkoceras yokusenense*: Kobayashi, 1937d [PM0701,1704]  
*Selkirkoceras* cf. yokusenense: Kobayashi, 1937d [PM1703]  
*Sigmocycloceras kogenense*: Kobayashi, 1934b [PM0012]  
*Sigmorthoceras coreanicum*: Kobayashi, 1934b [PM0651]  
*Sigmorthoceras sigmoidale*: Kobayashi, 1934b [PM0652]  
*Spyroceras orientale*: Kobayashi, 1934b [PM0666]  
*Stereoplasmodoceras cylindricum*: Kobayashi, 1936e [PM0019]  
*Stereoplasmodoceras* cf. machiakouense: Kobayashi, 1931b [PM0224]  
*Stereoplasmodoceras pseudoseptum*: Kobayashi, 1928 [PM0017-0019], Kobayashi, 1936e [PM1389]  
*Stereoplasmodoceras* sp.: Kobayashi, 1941e [PM1847]

## MOLLUSCA

### Paleozoic Cephalopoda (continued)

- Stereoplasmodoceras* sp.: Kobayashi, 1930 [PM0056]  
*Stereoplasmodoceras subcentrale*: Kobayashi, 1928 [PM0022]  
*Stereoplasmodoceras submarginale*: Kobayashi, 1928 [PM0020,0021]  
*Stereoplasmodoceras teichertii*: Kobayashi, 1936e [PM0223]  
*Stereoplasmodoceras tofangioides*: Kobayashi, 1934b [PM0670]  
*Stereoplasmodoceras tofangoense*: Kobayashi, 1931a [PM0132], Kobayashi, 1931b [PM0223], Kobayashi, 1936e [PM0132]  
*Stereoplasmodoceras uedai*: Kobayashi, 1931a [PM0133]  
*Stereoplasmodoceras yabei*: Kobayashi, 1934b [PM0671-0673]  
*Sinoeremodoceras wanwanense*: Kobayashi, 1933a [PM0316-0320]  
*Tofangoceras huroniforme*: Kobayashi, 1934b [PM0674,0675]  
*Tofangoceras irregulare*: Kobayashi, 1928 [PM0024]  
*Tofangoceras pauciannulatum*: Kobayashi, 1928 [PM0023]  
*Tofangoceras* sp.: Kobayashi, 1931a [PM0134]  
*Tofangoceras nanpiaoensis*: Kobayashi and Matsumoto, 1942 [PM1902,1903]  
*Trocholites ammonioides*: Kobayashi, 1934b [PM0669]  
*Vaginoceras* a sp.: Kobayashi, 1931a [PM0118]  
*Vaginoceras frechi*: Kobayashi, 1928 [PM0003]  
*Vaginoceras grabau*: Kobayashi, 1928 [PM0001,0002]  
*Vaginoceras* sp. cf. *Vaginoceras multitubulatum*: Kobayashi, 1930 [PM0057]  
*Vaginoceras neichianense*: Kobayashi, 1934b [PM0614]  
*Vaginoceras* cf. *reedi*: Kobayashi, 1934b [PM0615,0616]  
*Wanwanoceras peculiare*: Kobayashi, 1933a [PM0266-0268]  
*Wolungoceras chiushuense*: Kobayashi, 1933a [PM0276]  
*Wolungoceras foerstei*: Kobayashi, 1931a [PM0117]  
*Wolungoceras minor*: Kobayashi, 1931b [PM0197-0199]

### MESOZOIC CEPHALOPODA

- Acanthoceras* aff. *evolutum*: Matsumoto, Saito and Fukada, 1957 [MM5664]  
*Acanthoceras pseudodeverianum*: Jimbo, 1894 [MM7516]  
*Acanthoceras rotomagense* var. *asiatica*: Jimbo, 1894 [MM7512]  
*Ainoceras kamuy*: Matsumoto and Kanie, 1967 [MM5677,5678]  
*Ainoceras paucicostatum*: Matsumoto and Kanie, 1967 [MM5679-5682]  
*Amaltheus* sp.: Sato, 1955 [MM2791,2792]

# MOLLUSCA

## Mesozoic Cephalopoda (continued)

- Ammonites Kotoi*: Yabe, 1904 [MM7561]
- Ammonites* sp.: Yokoyama, 1904a [MM7081,7082]
- Anagaudryceras yamashitai*: Matsumoto, 1959b [MM7462]
- Anapachydiscus* (*Neopachydiscus*) *naumanni*: Matsumoto, 1954a [MM6787-6790, 7501,9141], Matsumoto, Hayami and Asano, 1963 [MM7501]
- Anapachydiscus deccanensis yezoensis*: Matsumoto, 1955b [MM5645-5652]
- Anapachydiscus fascicostatus*: Matsumoto, 1954a [MM6765-6777,7646,7648, 7681]
- Anapachydiscus subtililobatus*: Matsumoto, 1963 [MM7496]
- Anapachydiscus sutneri*: Kawada in Kawasaki, 1934 [MM6313], Matsumoto, 1954a [MM6778-6785,7643,7677,7678,7684]
- Arietitid* or *Alsatites*: Sato, 1956a [MM2793]
- Arnioceras yokoyamai*: Sato, 1957 [MM3695-3697]
- Arpadites* f.: Mojsisovics, 1888 [MM5011]
- Arpadites Gottschei*: Mojsisovics, 1888 [MM5014]
- Arpadites Sakawanus*: Mojsisovics, 1888 [MM5012]
- Aspidoceras* sp.: Sato, 1962 [MM3811]
- Ataxioceras kurisakense*: Kobayashi and Fukada, 1947a [MM7042,7044], Sato, 1962 [MM3795,3796,3799,3802,7042]
- Aulacosphinctes* sp.: Sato, 1972 [MM3809]
- Aulacosphinctes* sp.: Sato, 1972 [MM3815]
- Aulacosphinctoides* sp.: Sato, 1972 [MM3814]
- Baculites capensis*: Matsumoto and Obata, 1963 [MM7604]
- Baculites inornatus*: Matsumoto and Obata, 1963 [MM7971a,7971b,7971c]
- Baculites regina*: Matsumoto and Obata, 1963 [MM7715,7716a,7716b,7716c,7717, 7718a,7718b,7719]
- Baculites uedae*: Matsumoto and Obata, 1963 [MM5676]
- Baculites yokoyamai*: Matsumoto and Obata, 1963 [MM7603]
- Balatonites gottschei*: Ichikawa, 1963 [MM5014]
- Belemnites* sp.: Yokoyama, 1904a [MM6907]
- Belemnites* sp.: Yokoyama, 1904a [MM7078]
- Belemnopsis* sp.: Yokoyama, 1904a [MM7079a,7079b]
- Berriasella akiyamae*: Sato, 1961c,d [MM3732]
- Berriasella* nov. sp. ex gr. *B. berthei*: Sato, 1958b [MM3725-3727]
- Berriasella* sp.: Sato, 1961c,d [MM3734]
- Bigotites* sp.: Sato, 1962 [MM3817,3818]

# MOLLUSCA

## Mesozoic Cephalopoda (continued)

- Bomburites* aff. *globuliforme*: Sato, 1962 [MM3794]
- Bostrychoceras otsukai*: Matsumoto, 1959b [MM7555]
- "*Bostrychoceras*" *otsukai*: Matsumoto, 1963 [MM7532]
- Cadomites* sp.: Sato, 1962 [MM3760]
- Calycoceras asiaticum*: Matsumoto, Saito and Fukada, 1957 [MM5655,7512], Matsumoto, 1963 [MM7512]
- Calycoceras orientale*: Matsumoto, Saito and Fukada, 1957 [MM5657-5660], Matsumoto, 1959b [MM5657]
- Calycoceras* aff. *orientale*: Matsumoto, Saito and Fukada, 1957 [MM5662]
- Calycoceras spinosum*: Matsumoto, Saito and Fukada, 1957 [MM5656]
- Campylites* aff. *delmontanus*: Sato, 1962 [MM3816]
- Canadoceras kossmati*: Matsumoto, 1954a [MM6832-6848,7510,7650], Matsumoto, 1963 [MM7510]
- Canadoceras multicostatum*: Matsumoto, 1954a [MM6851-6862,9118]
- Canadoceras mysticum*: Matsumoto, 1954a [MM9117]
- Canadoceras yokoyamai*: Matsumoto, 1954a [MM6849,6850,7511], Matsumoto, 1959b [MM7511], Matsumoto, 1963 [MM7511]
- Canavaria* sp. ex gr. *geyeriana*: Sato, 1955 [MM2781-2789]
- Ceratites Haradai*: Mojsisovics, 1888 [MM5010]
- Ceratites japonicus*: Mojsisovics, 1888 [MM5008,5009]
- Ceratites Naumanni*: Mojsisovics, 1888 [MM5013]
- Ceratites(?) planiplicatus*: Mojsisovics, 1888 [MM5016]
- Coeloceras subfibulatum*: Yokoyama, 1904b [MM7066-7069]
- "*Cornaptychus*" a sp.: Hayami, 1961c [MM4834,4835]
- "*Cornaptychus*" b sp.: Hayami, 1961c [MM4836]
- Corongoceras* sp.: Sato, 1962 [MM3807]
- Crioceras spinigerum*: Jimbo, 1894 [MM7521,7522]
- Cyrtopleurites? sakawanus*: Ichikawa, 1963 [MM5012]
- Dactylioceras (Dactylioceras) helianthoides*: Hirano, 1971 [MM7073-7075]
- Dactylioceras helianthoides*: Yokoyama, 1904b [MM7073-7075]
- Damesites damesi*: Matsumoto, 1954a [MM6735-6763,7500,7503-7505,7629,7630,7687,7689,7690], Obata, 1959 [MM6736-6738,6740,6741,6743,6744,6748,6753,6763], Matsumoto, 1963 [MM7500,7503]
- Damesites damesi intermedius*: Matsumoto and Obata, 1955 [MM6747]
- Damesites semicostatus*: Matsumoto and Obata, 1955 [MM5579-5589], Obata, 1959 [MM5579-5583,5588]

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Mesozoic Cephalopoda (continued)

- Damesites sugata*: Matsumoto and Obata, 1955 [MM5590-5603, 7631-7633],  
Obata, 1959 [MM5590-5592, 5597, 5601, 5603]
- Danubites naumanni*: Ichikawa, 1963 [MM5013]
- Aff. *Deroceras* sp.: Sato, 1955 [MM2790]
- Desmoceras Damesi*: Jimbo, 1894 [MM7500, 7503-7506]
- Desmoceras Dawsoni* var. *japonica*: Yabe, 1904 [MM7574]
- Desmoceras Ishikawai*: Jimbo, 1894 [MM7507]
- Desmoceras Kawanoi*: Jimbo, 1894 [MM7509]
- Desmoceras kossmati*: Matsumoto, 1954a [MM6667-6669, 6671], Matsumoto, 1959b  
[MM6667]
- Desmoceras planulatifforme*: Jimbo, 1894 [MM7499]
- Desmoceras poronaicum*: Yabe, 1904 [MM7456]
- Desmoceras (Pseudouhligella) ezoanum*: Matsumoto, 1954a [MM6700-6717],  
Obata, 1959 [MM6710]
- Desmoceras (Pseudouhligella) japonica*: Matsumoto, 1938a [MM7713]
- Desmoceras (Pseudouhligella) japonicum*: Matsumoto, 1954a [MM6672, 6673b,  
6674-6689, 9127]
- Desmoceras (Pseudouhligella) japonicum compressior*: Matsumoto, 1954a [MM  
6694-6698]
- Desmoceras (Pseudouhligella) japonicum mediocompressa*: Matsumoto, 1954a  
[MM6690-6693]
- Desmoceras (Pseudouhligella) poronaicum*: Matsumoto, 1954a [MM6699, 6704]
- Desmoceras (Pseudouhligella) (?)* n. sp.: Matsumoto and Obata, 1955 [MM5624]
- Desmoceras yubarense*: Jimbo, 1894 [MM7508]
- Desmophyllites diphylloides*: Matsumoto and Obata, 1955 [MM5551-5578, 7688],  
Obata, 1959 [MM5552-5554, 5556, 5574, 5578], Obata, 1960 [MM5556, 5557]
- Desmophyllites* cf. *diphylloides*: Matsumoto, 1963 [MM7514]
- Dichotomosphinctes kiritaniensis*: Sato, 1962 [MM3792, 3793, 3797, 3801]
- Dichotomosphinctes* sp. cf. *D. planus* ou *D. cracoviensis*: Sato, 1962 [MM  
3798]
- Dumortieria lantenoisi*: Sato, 1972b [MM4800-4805]
- Dumortieria* cf. *metita*: Sato, 1972b [MM4806, 4807]
- Eogunnarites unicus*: Wright and Matsumoto, 1954 [MM6590-6593, 7457]
- Eomadrassites subnipponicus*: Matsumoto, 1955a [MM6877, 6878]
- Epigoniceras glabrum* var. *problematica*: Matsumoto, 1942 [MM5529]
- Erycites* sp. juv.: Sato, 1961a [MM3819]

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## Mesozoic Cephalopoda (continued)

- Euaspidoceras* sp. 1: Sato, 1962 [MM3813]
- Euaspidoceras* sp. 2: Sato, 1962 [MM4786]
- Eubostrychoceras japonicum*: Matsumoto, 1977 [MM7559]
- Eubostrychoceras otsukai*: Matsumoto, 1977 [MM7555,7556]
- Eubostrychoceras* sp.: Matsumoto, 1977 [MM7549b]
- Euomphaloceras* cf. *euomphalum*: Matsumoto, Saito and Fukada, 1957 [MM5665]
- Eupachydiscus haradai*: Matsumoto, 1954a [MM6791-6820,7498,7647,7680],  
Matsumoto, 1959b [MM7498], Matsumoto, 1963 [MM7498]
- Eupachydiscus teshioensis*: Matsumoto, 1963 [MM7497]
- Eutrephoceras kobayashii*: Matsumoto, 1967 [MM3916]
- Fagesia thevestensis*: Matsumoto, 1973 [MM5683,7561]
- Garantiana* sp. (ou *Parkinsonia* sp.): Sato, 1962 [MM3761]
- Gaudryceras crassicostatum*: Yabe, 1903b [MM7469], Matsumoto, 1963 [MM7492]
- Gaudryceras denseplicatum*: Kawada in Kawasaki, 1934 [MM6305], Matsumoto,  
1941 [MM6885], Matsumoto, 1963 [MM7491,7495]
- Gaudryceras* (s. s.) *denseplicatum*: Matsumoto, 1959b [MM7491]
- Gaudryceras limatum*: Yabe, 1903b [MM7465,7466]
- Gaudryceras striatum*: Yabe, 1903b [MM7468], Matsumoto, 1941 [MM6888,6889],  
Matsumoto, 1963 [MM7493]
- Gaudryceras striatum* var. *pauciradiata*: Matsumoto, 1941 [MM6887]
- Gaudryceras striatum* var. *picta*: Yabe, 1903b [MM7467]
- Gaudryceras tenuiliratum*: Yabe, 1903b [MM7473,7474], Kobayashi, 1931e  
[MM7711], Kawada in Kawasaki, 1934 [MM6302], Matsumoto, 1941 [MM6887]
- Gaudryceras tenuiliratum* var. *infrequens*: Yabe, 1903b [MM7470]
- Gaudryceras tenuiliratum* var. *intermedia*: Yabe, 1903b [MM7471]
- Gaudryceras tenuiliratum* var. *ornata*: Yabe, 1903b [MM7472], Kawada in  
Kawasaki, 1934 [MM6304]
- Gaudryceras yamashitai*: Yabe, 1903b [MM7462], Kawada in Kawasaki, 1934  
[MM6306]
- Gaudryceras yokoyamai*: Yabe, 1903b [MM7463,7464]
- Graphoceras* sp.: Sato, 1958a [MM3719-3721]
- Grammoceras*(?) *Okadai*: Yokoyama, 1904b [MM7072]
- Grammoceras* sp. ex gr. *Pseudogrammoceras muelleri*: Sato, 1962 [MM2799]
- Grossouvria laeviradiata*: Sato, 1962 [MM3773]
- Grossouvria* cf. *subtilis*: Sato, 1962 [MM3774,3775]
- Gymnites Watanabei*: Mojsisovics, 1888 [MM5015]

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## Mesozoic Cephalopoda (continued)

- Gymnites watanabei*: Ichikawa, 1963 [MM5015]
- Hamites (Anisoceras) subcompressus*: Kawada in Kawasaki, 1934 [MM6311]
- Hamites* cfr. *armatum*: Kawada in Kawasaki, 1934 [MM6310,7672]
- Hamites indicus*: Kawada in Kawasaki, 1934 [MM7671]
- Hamites obstructum*: Jimbo, 1894 [MM7523]
- Hamites (Polyptychoceras) sp.*: Kawada in Kawasaki, 1934 [MM7670]
- Hamites quadrinodosus*: Jimbo, 1894 [MM7490,7524]
- Hamites sp.*: Jimbo, 1894 [MM7525,7526,7529-7531]
- Hammatoceras chibai*: Sato, 1954b [MM7082]
- Hammatoceras hosourense*: Sato, 1954b [MM2776-2780]
- Hammatoceras kitakamiense*: Sato, 1954b [MM2763-2766]
- Hammatoceras sp.*: Sato, 1972b [MM4822-4825]
- Hammatoceras sp. juv.*: Sato, 1972b [MM4826-4831]
- Hammatoceras subtile*: Sato, 1954b [MM2771-2775]
- Hammatoceras tuberculata*: Sato, 1954b [MM2767-2770]
- Harpoceras (Harpoceras) chrysanthemum*: Hirano, 1973a [MM7058-7061,7064,7065]
- Harpoceras (Harpoceras) sp. cf. H. (H.) exaratum*: Hirano, 1973a [MM7071]
- Harpoceras (Harpoceras) inouyei*: Hirano, 1973a [MM7062,7063]
- Harpoceras (Harpoceras) okadai*: Hirano, 1973a [MM7072]
- Harpoceras Ikianum*: Yokoyama, 1904a [MM7076]
- Harpoceras s. str. okadai*: Sato, 1957 [MM3701,3702]
- Harpoceras sp.*: Yokoyama, 1904b [MM7070,7071]
- Hauericeras angustum*: Yabe, 1904 [MM7573]
- Hauericeras gardeni*: Kawada in Kawasaki, 1934 [MM7704]
- Hauericeras (Gardeniceras) angustum*: Matsumoto and Obata, 1955 [MM5604-5621,7562-7568,7573,7575,7705,7706,9128], Matsumoto, 1959a [MM5604,7573], Obata, 1959 [MM5604,5609,7573,7575]
- Haugia japonica*: Kobayashi, 1935e [MM7033]
- Hecticoceras? (Putealicerases?) japonicum*: Hayami, Matsumoto and Asano, 1963 [MM7033]
- Hecticoceras sp.*: Kobayashi, 1935e [MM7039]
- Helicoceras scalare*: Yabe, 1904 [MM7549a,7549b]
- Helicoceras(?) venustum*: Yabe, 1904 [MM7551,7552]
- Heteroceras(?) japonicum*: Yabe, 1904 [MM7559]

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## Mesozoic Cephalopoda (continued)

- Heteroceras*(?) *orientale*: Yabe, 1904 [MM7572]  
*Heteroceras*(?) *Oshimai*: Yabe, 1904 [MM7553,7554]  
*Heteroceras*(?) *Otsukai*: Yabe, 1904 [MM7555,7556]  
*Heteroceras*(?) *Otsukai* var. *multicostata*: Yabe, 1904 [MM7557,7558]  
*Hildoceras chrysanthemum*: Yokoyama, 1904b [MM7058-7061]  
*"Hildoceras" chrysanthemum*: Hayami, 1961c [MM4833]  
*Hildoceras densicostatum*: Yokoyama, 1904b [MM7064,7065]  
*Hildoceras Inouyei*: Yokoyama, 1904b [MM7062,7063]  
*Holcodiscus Kotoi*: Jimbo, 1894 [MM7517]  
*Holcophylloceras* sp.: Sato, 1957 [MM3694,3703]  
*Holcophylloceras* sp. 1: Sato, 1962 [MM3751]  
*Holcophylloceras* sp. 2: Sato, 1962 [MM3753]  
*Holcophylloceras* cf. *ultramontanum*: Sato, 1957 [MM3693]  
*Hollandites haradai*: Ichikawa, 1963 [MM5010]  
*Hollandites japonicus*: Ichikawa, 1963 [MM5008,5009]  
*Hollandites* cf. *japonicus*: 1963 [MM5011]  
*Horioceras mitodaense*: Kobayashi, 1935e [MM7034]  
*Hosoureites ikianum*: Sato, 1958a [MM3709-3718]  
*Hyperlioceras* sp.: Sato, 1957 [MM3699,3700]  
*Hyphantoceras orientale*: Matsumoto, 1977 [MM7572a]  
*Hyphantoceras oshimai*: Matsumoto, 1977 [MM7553]  
*Japonites planiplicatus*: Ichikawa, 1963 [MM5016]  
*Jimboiceras mihoense*: Matsumoto, 1954b [MM6652-6655,9130]  
*Jimboiceras planulatiforme*: Matsumoto, 1954b [MM6645-6651,7499,7628,9131,9140], Matsumoto, 1963 [MM7499]  
*Katroliceras yokoyamai*: Kobayashi and Fukada, 1947b [MM7048]  
*Kepplerites (Seymourites) acuticostum*: Kobayashi, 1947 [MM7050]  
*Kepplerites (Seymourites) cfr. acuticostum*: Kobayashi, 1947 [MM7083]  
*Kepplerites (Seymourites) japonicus*: Kobayashi, 1947 [MM7049]  
*Kepplerites (Seymourites) kuzuryuensis*: Kobayashi, 1947 [MM7051]  
*Kilianella* juv. sp.: Sato, 1958b [MM3728]  
*Kilianella* sp. juv.: Sato, 1961c,d [MM3735]  
*Klematosphinctes? hikii*: Sato, 1962 [MM7052]  
*Kossmaticeras ishikawai*: Jimbo, 1894 [MM7697]



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## Mesozoic Cephalopoda (continued)

- Kossmaticeras japonicum*: Matsumoto, 1955a [MM6882,7627]  
*Kossmaticeras pachystoma*: Matsumoto, 1956 [MM5653,5654]  
*Kranaosphinctes? kaizaranus*: Sato, 1962 [MM7056]  
*Kranaosphinctes matsushimai*: Sato, 1962 [MM3748,3785-3791,3808,7054],  
 Suzuki and Sato, 1972 [MM4832]  
*Kranaosphinctes* cf. *matsushimai*: Sato, 1962 [MM3759]  
*Kranaosphinctes* sp.: Sato, 1962 [MM3740]  
*Leptosphinctes* sp. cf. *Leptosphinctes martiusi*: Sato, 1962 [MM3762]  
*Lilloetia* sp.: Sato, 1962 [MM3742]  
*Lilloetia* sp.: Sato and Kanie, 1963 [MM4787]  
*Lithacoceras(?)* sp.: Kobayashi, 1935e [MM7038]  
*Lithacoceras tarodaense*: Kobayashi, 1935e [MM7036]  
*Lytoceras crassicoatum*: Jimbo, 1894 [MM7492]  
*Lytoceras crassum*: Jimbo, 1894 [MM7515]  
*Lytoceras denseplicatum*: Jimbo, 1894 [MM7491]  
*Lytoceras ezoense*: Yabe, 1903b [MM7476]  
*Lytoceras glabrum*: Jimbo, 1894 [MM7513]  
*Lytoceras imperiale*: Yabe, 1903b [MM7475]  
*Lytoceras* cf. *lineatum*: Yokoyama, 1904a [MM7080]  
*Lytoceras* *Sacya*: Jimbo, 1894 [MM7495]  
*Lytoceras sphaeronotum*: Jimbo, 1894 [MM7494,7514]  
*Lytoceras striatum*: Jimbo, 1894 [MM7493]  
*Marshallites compressus*: Matsumoto, 1955a [MM6863-6866]  
*Marshallites compressus puzosioides*: Matsumoto, 1955a [MM6867,6868]  
*Marshallites* sp. aff. *M. compressus*: Matsumoto, 1955a [MM6869]  
*Marshallites olcostephanoides*: Matsumoto, 1955a [MM6870-6876]  
*Marshallites* aff. *M. olcostephanoides*: Matsumoto, 1959a [MM6870,6871]  
*Menuites japonicus*: Matsumoto, 1955b [MM5626-5628,7676,7685]  
*Menuites* cf. *menu*: Matsumoto, 1955b [MM5625,7675]  
*Menuites naibutiensis*: Matsumoto, 1955b [MM5629]  
*Menuites pusillus*: Matsumoto, 1955b [MM5630]  
*Mesopuzosia densicostata*: Matsumoto, 1954b [MM6621-6623,7694]  
*Mesopuzosia pacifica*: Matsumoto, 1954b [MM6618,6619,7635]  
*Mesopuzosia yubarensis*: Matsumoto, 1954b [MM6620,7508,7636,7652]

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## Mesozoic Cephalopoda (continued)

- Mesopuzosia yubarensis*: Matsumoto, 1963 [MM7508]
- Metaplacenticeras* (*Paraplacenticeras*) *subtilistriatum*: Matsumoto, 1953 [MM7502]
- Metaplacenticeras subtilistriatum*: Matsumoto, 1963 [MM7502]
- Mortoniceras Kawasakii*: Kawada, 1929 [MM7701]
- Mortoniceras* sp.: Kawada in Kawasaki, 1934 [MM7702]
- Neocrioceras*(?) *sanushibense*: Wright and Matsumoto, 1954 [MM6582,7619]
- Neocrioceras spinigerum*: Kawada in Kawasaki, 1934 [MM7707], Matsumoto, 1963 [MM7521,7522]
- Neohibolites eguchii*: Hanai, 1953 [MM2539,2540]
- Neohibolites miyakoensis*: Hanai, 1953 [MM2531-2537]
- Neohibolites* cfr. *semicanaliculatus*: Hanai, 1953 [MM2530]
- Neohibolites* sp.: Hanai, 1953 [MM2538]
- Neopachydiscus naumanni*: Kawada in Kawasaki, 1934 [MM7680]
- Neopuzosia ishikawai*: Matsumoto, 1954b [MM6640-6644,7507,7697,7698,7700,9137], Matsumoto, 1963 [MM7507]
- Neopuzosia japonica*: Matsumoto, 1954b [MM6624-6639,7637]
- Neuquenicerias maedai*: Sato, 1962 [MM3769,3771]
- Neuquenicerias* sp.: Sato, 1962 [MM3766]
- Neuquenicerias yokoyamai*: Sato, 1962 [MM3763-3765,3767,3768,3770,3772,3777,3778,3780-3784.7057]
- Neuquenicerias yokoyamai alticostatum*: Sato, 1962 [MM3776]
- Nipponites mirabilis*: Yabe, 1904 [MM7560], Matsumoto, 1977 [MM7560]
- Nipponites mirabilis* var. *sachalinensis*: Kawada, 1929 [MM7666], Kawada in Kawasaki, 1934 [MM7666]
- Normannites* (*Itinsaites*) sp. cf. *N. (I.) itinsae*: Sato, 1972a [MM4791-4796]
- Normannites* (*Itinsaites*) sp.: Sato, 1972a [MM4799]
- Oecotraustes* sp.: Sato, 1962 [MM3744]
- Olcostephanus* nov. sp.: Sato, 1962 [MM3722-3724]
- Olcostephanus* sp.: Jimbo, 1894 [MM7518]
- Olcostephanus unicus*: Yabe, 1904 [MM7457]
- Oppelia echizenica*: Yokoyama, 1904b [MM6911]
- Oppelia* s. s. aff. *subradiata*: Sato, 1962 [MM3743]
- Otoites* sp.: Sato, 1972a [MM4790]
- Otoscaphtes perrini* (?): Matsumoto, 1963 [MM7518]
- Otoscaphtes puerculus*: Matsumoto, 1963 [MM7520]

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## Mesozoic Cephalopoda (continued)

- Oxycerites* sp.: Sato, 1962 [MM3739]
- Pachydesmoceras* cf. *denisonianum*: Matsumoto, 1954b [MM6656-6659]
- Pachydesmoceras pachydiscoides*: Matsumoto, 1954b [MM6660-6666], Matsumoto, 1959b [MM6660]
- Pachydiscus buckhami*: Matsumoto, 1959b [MM7469]
- Pachydiscus Denisonianus*: Jimbo, 1894 [MM7510]
- Pachydiscus egertoni*: Matsumoto, 1936 [MM7641]
- Pachydiscus Haradai*: Jimbo, 1894 [MM7498]
- Pachydiscus subcompressus*: Matsumoto, 1954a [MM6821-6829, 7691], Matsumoto, 1959b [MM6821]
- Pachydiscus subcompressus obsoletus*: Matsumoto, 1954a [MM6830, 6831], Matsumoto, 1959b [MM6830]
- Pachydiscus subtililobatus*: Jimbo, 1894 [MM7496]
- Pachydiscus teshioensis*: Jimbo, 1894 [MM7497]
- Pachydiscus Yokoyamai*: Jimbo, 1894 [MM7511]
- Pachysphinctes* sp.: Sato, 1962 [MM3812]
- Parajaubertella kawakitana*: Matsumoto, 1959a [MM5669]
- Parakilianella umazawensis*: Sato, 1961c,d [MM3733]
- "*Parapachydiscus egertoni*": Matsumoto, 1936 [MM7679]
- Parapachydiscus* aff. *Egertoni*: Kobayashi, 1931e [MM7720]
- "*Parapachydiscus* aff. *egertoni*": Matsumoto, 1936 [MM7720]
- Parapachydiscus egertonianus*: Kawada in Kawasaki, 1934 [MM7679]
- Parapachydiscus haradai*: Kawada in Kawasaki, 1934 [MM6312]
- Parapachydiscus (Menuites) menu*: Kawada in Kawasaki, 1934 [MM7683]
- Parapachydiscus yezoensis*: Kawada in Kawasaki, 1934 [MM6314]
- Parawedekindia arduennensis* juv.: Sato, 1961b [MM3820]
- Parawedekindia* cf. *arduennensis*: Sato, 1961b [MM3821]
- Partschiceras?* *japonicum*: Matsumoto, 1959a [MM5667, 5668]
- Pelekodites* sp. cf. *P. pelekus*: Sato, 1972a [MM4789]
- Pelekodites (Spatulites) spatians*: Sato, 1972a [MM4788]
- Peltoceratoides* sp.: Sato, 1962 [MM3752]
- Perisphinctes (Ataxioceras)* sp.: Yokoyama, 1904b [MM7057]
- Perisphinctes (Aulacosphinctoides?)* sp. aff. *A. cfr. steigeri*: Kobayashi, 1935e [MM7035]
- Perisphinctes (Biplices) kaizaranus*: Yokoyama, 1904b [MM7056]

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## Mesozoic Cephalopoda (continued)

- Perisphinctes (Biplices?) Kochibei*: Yokoyama, 1904b [MM7055]
- Perisphinctes (Discosphinctes) isokusense*: Kobayashi and Fukada, 1947c [MM7045-7047]
- Perisphinctes (Grossouvria) Hikii*: Yokoyama, 1904b [MM7052,7053]
- Perisphinctes (Perisphinctes) ojikaensis*: Fukada, 1950 [MM6470]
- Perisphinctes (Procerites) Matsushimai*: Yokoyama, 1904b [MM7054]
- Peroniceras amakusense*: Yabe, 1902 [MM7480]
- Peronoceras subfibulatum*: Hirano, 1973b [MM7066-7069]
- Phylloceras ezoense*: Kawada in Kawasaki, 1934 [MM6301]
- Phylloceras* sp.: Sato, 1957 [MM3698]
- Phylloceras* sp.: Sato, 1962 [MM3746,3749,3754]
- Placentoceras subtilistriatum*: Jimbo, 1894 [MM7502]
- Polyptychoceras* cf. *haradanum*: Matsumoto, 1963 [MM7531]
- Polyptychoceras obstrictum*: Matsumoto, 1963 [MM7523]
- Polyptychoceras (Subptychoceras)* sp.: Matsumoto, 1963 [MM7526]
- Pravitoceras sigmoidale*: Yabe, 1902 [MM7478,7479]
- Prionocycloceras* sp. aff. *P. guayabanum*: Matsumoto, 1965 [MM5684]
- Properisphinctes* aff. *bernensis*: Kobayashi, 1935e [MM7032]
- Protexanites* cf. *fukazawai*: Matsumoto and Ueda, 1962 [MM5670]
- Pseudammatoceras molukkanum*: Sato, 1972b [MM4817-4821]
- Pseudogrammoceras? loducensis*: Sato, 1972b [MM4809-4816]
- ? *Pseudopeltoceras* sp.: Sato, 1961b [MM3822]
- Pseudoxybeloceras quadrinodosum*: Wright and Matsumoto, 1954 [MM6581, 7490, 7524,7618], Matsumoto, 1963 [MM7490,7524], Matsumoto, 1977 [MM7524]
- Ptychophylloceras* nov. sp.: Sato, 1962 [MM3750]
- Puzosia(?) ambigua*: Matsumoto, 1954b [MM6612,6614-6617]
- Puzosia nipponica*: Matsumoto, 1954b [MM6600-6611]
- Puzosia planilatiforme*: Kawada in Kawasaki, 1934 [MM7695]
- Puzosia subcorbarica*: Matsumoto, 1954b [MM6594-6599,7639,9129]
- Romaniceras(?) otatumei*: Matsumoto, Saito and Fukada, 1957 [MM5663]
- Romaniceras pseudodeverianum*: Matsumoto, Saito and Fukada, 1957 [MM7516], Matsumoto, 1959b [MM7516], Matsumoto, 1963 [MM7516]
- Romaniceras* sp.: Matsumoto, Saito and Fukada, 1957 [MM5661]
- Romaniceras* cfr. *uchauxiense*: Matsumoto, Saito and Fukada, 1957 [MM7621]
- Romaniceras* sp. cf. *R. yezoense*: Matsumoto, 1975 [MM5661]

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## Mesozoic Cephalopoda (continued)

- Ryugasella ryugasensis*: Wright and Matsumoto, 1954 [MM6583-6589,7525], Matsumoto, 1959b [MM6583]
- Scalarites mihoensis*: Wright and Matsumoto, 1954 [MM6564-6580]
- Scalarites scalaris*: Wright and Matsumoto, 1954 [MM6553-6563,7549], Matsumoto, 1977 [MM7549a]
- Scalarites* [or *Glyptoxoceras*?] sp.: Matsumoto, 1963 [MM7529]
- Scalarites* sp.: Matsumoto, 1963 [MM7525]
- Scalarites* sp.: Matsumoto, 1963 [MM7530]
- Scaphites*(?) *formosus*: Yabe, 1910 [MM7582]
- Scaphites*(?) *gracilis*: Yabe, 1910 [MM7581]
- Scaphites*(?) *pseudoequalis*: Yabe, 1910 [MM7576,7577]
- Scaphites puerculus*: Jimbo, 1894 [MM7520]
- Scaphites yokoyamai*: Matsumoto, 1963 [MM7519]
- Scaphites Yokoyamai*: Jimbo, 1894 [MM7519]
- Scaphites*(?) *Yonekurai*: Yabe, 1910 [MM7578,7579]
- Schlotheimia Jimboi*: Yokoyama, 1904a [MM7077]
- Sciponoceras orientale*: Matsumoto and Obata, 1963 [MM5672-5675]
- Sciponoceras*(?) sp.: Matsumoto and Obata, 1963 [MM5671]
- Sigaloceras* sp.: Kobayashi, 1935e [MM7040]
- Sonninia* sp.: Sato, 1962 [MM3804-3806]
- Sphaeroceratinae* gen. et sp. indet.: Sato, 1962 [MM3803]
- Spiticeras* (*Kilianiceras*) cfr. *eucomphalum*: Sato, 1961c,d [MM3737]
- Spiticeras* (*Spiticeras*) cfr. *binodiger*: Sato, 1961c,d [MM3738]
- Stephanoceras* sp. cf. *St. plicatissimum*: Sato, 1956b [MM2794-2796]
- Stephanoceras* sp.: Sato, 1972a [MM4797]
- Strigoceras* sp. cf. *S. languidum*: Sato, 1972a [MM4798a,4798b]
- Subprionocyclus neptuni*: Matsumoto, 1965 [MM5685-5689]
- Substeueroceras* sp.: Sato, 1962 [MM3755-3757]
- Taramelliceras* sp. cf. *T. callicerum*: Sato, 1962 [MM3810]
- Taramelliceras* nov. sp.: Sato, 1962 [MM3741]
- Teshioites ryugasensis*: Matsumoto, 1955b [MM5637,5638,5640-5642]
- Teshioites teshioensis*: Matsumoto, 1955b [MM5643,5644]
- Tetragonites crassus*: Matsumoto, 1963 [MM7515]
- Tetragonites* cfr. *epigonus*: Yabe, 1903b [MM7459]

MOLLUSCA

Mesozoic Cephalopoda (continued)

- Tetragonites glabrus*: Yabe, 1903b [MM7461], Kawada in Kawasaki, 1934 [MM 6307], Matsumoto, 1959b [MM7513], Matsumoto, 1963 [MM7494,7513]
- Tetragonites popetensis*: Yabe, 1903b [MM7460,7541], Matsumoto, 1959b [MM 7460]
- Tetragonites sphaeronotus*: Yabe, 1903b [MM7540]
- Texanites amakusensis*: Matsumoto and Ueda, 1962 [MM7480]
- Texanites kawasakii*: Matsumoto, 1959b [MM7701]
- Texanites (Plesiotexanites) kawasakii*: Matsumoto, 1970 [MM7701-7703]
- Thurmanniceras isokusensis*: Sato, 1958b [MM3729,3730,7045]
- Thurmanniceras* sp.: Sato, 1961c,d [MM3736]
- Tmetoceras recticostatum*: Sato, 1954a [MM2745-2762]
- Tragodesmoceroides subcostatus*: Matsumoto, 1954a [MM6718-6734]
- Turrilites* cfr. *bergeri*: Yabe, 1904 [MM7548]
- Turrilites Komatai*: Yabe, 1904 [MM7458]
- Turrilites oehlerti*: Matsumoto, 1938a [MM7714]
- Turrilites* sp.: Jimbo, 1894 [MM7532]
- Urakawites rosalinoides*: Matsumoto, 1955b [MM5631-5636]
- Vermiceras* sp. cfr. *Vermiceras spiratissimum*: Sato, 1962 [MM3747]
- Virgatosphinctes* sp.: Sato, 1962 [MM3745]
- Virgatosphinctinae* gen. et sp. indet.: Sato, 1962 [MM3800]
- Yezoites Perrini*: Yabe, 1910 [MM7518,7598]
- Yezoites planus*: Yabe, 1910 [MM7583-7590]
- Yezoites planus* var. *gigas*: Yabe, 1910 [MM7591]
- Yezoites puerculus*: Yabe, 1910 [MM7592-7594]
- Yezoites puerculus* var. *teshioensis*: Yabe, 1910 [MM7595-7597]
- Yezoites* sp.: Yabe, 1910 [MM7452]
- Yokoyamaoceras jimboi*: Matsumoto, 1955a [MM6883,7624,7625a,7625b,7626]
- Yokoyamaoceras kotoi*: Matsumoto, 1955a [MM7517,7623], Matsumoto, 1963 [MM7517]
- Yubariceras japonicum*: Matsumoto, 1975 [MM7622]
- Yubariceras [Romaniceras?] japonicum*: Matsumoto, Saito and Fukada, 1957 [MM7622]
- Yubariceras otatumei*: Matsumoto, 1975 [MM5663]
- Yubariceras yubarensense*: Matsumoto, Saito and Fukada, 1957 [MM7620], Matsumoto, 1975 [MM7620]

## MOLLUSCA - ARTHROPODA

### Mesozoic Cephalopoda (continued)

*Zelandites* sp. aff. *dozei*: Matsumoto, 1938b [MM9125]

*Zelandites kawanoi*: Matsumoto, 1938b [MM7509,9104], Matsumoto, 1963 [MM7509]

*Zelandites mihoensis*: Matsumoto, 1938b [MM9124]

*Zelandites varuna* var. *japonica*: Matsumoto, 1938b [MM9122a,9122b,9123]

### PALEOZOIC SCAPHOPODA

*Dentalium* (*Laevidentalium*) sp. aff. *D. (L.) priscum*: Ichikawa, 1951a [PM5323,5324]

### MESOZOIC SCAPHOPODA

*Dentalium* (*Laevidentalium*) sp.: Kobayashi and Ichikawa, 1952b [MM5406]

### ? MOLLUSCA INCERTAE SEDIS

*Hyolithes cybele*: Kobayashi, 1962 [PM3992]

*Hyolithes imbricatus*: Kobayashi, 1960b [PM2433]

*Hyolithes subcarinatus*: Kobayashi, 1935c [PM0945-0947]

*Hyolithes* sp.: Kobayashi, 1934b [PM0606]

*Hyolithes*(?) sp.: Kobayashi, 1960a [PM2363]

*Hyolithes* a sp.: Kobayashi, 1935c [PM0948,0949]

*Hyolithes* b sp.: Kobayashi, 1935c [PM0950]

*Hyolithus globiger*: Saito, 1936 [PM1479-1482]

*Hyolithus kotoi*: Saito, 1936 [PM1477,1478]

*Hyolithus teretapex*: Saito, 1936 [PM1483-1489]

*Tentaculites tofangoense*: Kobayashi, 1930 [PM0092]

## ARTHROPODA

### PALEOZOIC TRILOBITA

*Acrocephalina trisulcata*: Kobayashi, 1944d [PA1993], Kobayashi, 1962 [PA1993b]

Agnostid, gen. et sp. indet.: Kobayashi, 1957d [PA2299m]

*Agnostus chinensis*: Saito, 1934 [PA0445-0447]

*Agnostus chiushuensis*: Kobayashi, 1931a [PA0135-0139]

*Agnostus coreanicus*: Kobayashi, 1935c [PA0955,0956]

*Agnostus hoiformis*: Kobayashi, 1933c [PA0340-0342], Kobayashi, 1935c [PA0959-0961], Kobayashi, 1937b [PA1509,1510]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Agnostus inexpectans*: Kobayashi, 1938c [PA1726-1729]  
*Agnostus (Lejopyge?) obsoletus*: Kobayashi, 1935c [PA0958]  
*Agnostus (Ptychagnostus?) orientalis*: Kobayashi, 1935c [PA0957]  
*Agnostus radiarus*: Kobayashi, 1934c [PA0820]  
*Agnostus rakuroensis*: Kobayashi, 1935c [PA0952a,0952b,0953,0954]  
*Agnostus* cf. *rakuroensis*: Kobayashi, 1934d [PA1270]  
*Agnostus* a sp.: Kobayashi, 1934c [PA0821]  
*Agnostus* b sp.: Kobayashi, 1934c [PA0822]  
*Agnostus subobesus*: Kobayashi, 1936a [PA1398,1399]  
*Amecephalus saitoi*: Kobayashi, 1962 [PA4071]  
*Amechilus tuberculatus*: Kobayashi, 1955a [PA2213]  
*Amphoton deois*: Kobayashi, 1935c [PA0983], Kobayashi, 1942e [PA1863],  
 Kobayashi, 1955b [PA2097], Kobayashi, 1962 [PA4027]  
*Amphoton derceto* var. *spinula*: Kobayashi, 1942h [PA1899,1900]  
*Amphoton (Fuchouia) manchuriensis*: Kobayashi, 1942e [PA1873-1879]  
*Amphoton microlops*: Kobayashi, 1942h [PA1901]  
*Amphoton spinula*: Kobayashi, 1961b [PA4873]  
*Amphoton* cfr. *spinula*: Kobayashi, 1961b [PA4874]  
*Amphoton (Sunia) tellus*: Kobayashi, 1955b [PA2098,2099]  
*Amphoton (Sunia) typica*: Kobayashi, 1942e [PA1864-1872]  
*Ampyx* a sp.: Kobayashi, 1936a [PA2233-2235]  
*Ampyx* b sp.: Kobayashi, 1936b [PA2236-2238]  
*Ampyx walcotti*: Kobayashi, 1936a [PA2228-2230]  
*Ampyx walcotti* var. *stenorachis*: Kobayashi, 1936a [PA2231,2232]  
*Andesaspis argentinensis*: Kobayashi, 1935f [PA1355-1357]  
 Trilobite (*Angelina*?) gen. et sp. indt.: Kobayashi, 1937c [PA1684,1685]  
*Angelina punctolineata*: Kobayashi, 1937c [PA1636]  
*Annamitia spinifera*: Kobayashi, 1956d [PA2279-2281]  
*Anomocare* cf. *flava*: Kobayashi, 1931a [PA0146]  
*Anomocarella brevifrons*: Kobayashi, 1935c [PA1166-1169]  
*Anomocarella* cfr. *brevifrons*: Kobayashi, 1961b [PA3975]  
*Anomocarella chinensis*: Kobayashi, 1938d [PA1799]  
*Anomocarella coreanica*: Kobayashi, 1962 [PA4092-4098]  
*Anomocarella coreanica longa*: Kobayashi, 1962 [PA4099,4100]



# ARTHROPODA

## Paleozoic Trilobita (continued)

- Anomocarella (Entorachis) brevifrons*: Kobayashi, 1962 [PA4101-4103]  
*Anomocarella (Entorachis) gracilis*: Kobayashi, 1962 [PA4106]  
*Anomocarella (Entorachis) longifrons*: Kobayashi, 1962 [PA4104,4105]  
*Anomocarella (Entorachis) sp. nov.*: Kobayashi, 1962 [PA4107]  
*Anomocarella majus*: Kobayashi, 1937b [PA1528]  
*Anomocarella memor*: Kobayashi, 1934d [PA1276,1278-1280]  
*Anomocarella minus*: Kobayashi, 1937b [PA1524]  
*Anomocarella planum*: Kobayashi, 1937b [PA1525,1526]  
*Anomocarella resseri*: Kobayashi, 1935c [PA1164,1165]  
*Anomocarella speciosa*: Kobayashi, 1938d [PA1800]  
*Anomocarella stenorachis*: Kobayashi, 1961b [PA3960b]  
*Anomocarella subcostatum*: Kobayashi, 1937b [PA1529]  
*Anomocarella(?) subquadrata*: Kobayashi, 1937b [PA1520,1521]  
*Anomocarella taian*: Kobayashi, 1931a [PA0149]  
*Anomocarella temenus*: Kobayashi, 1931a [PA0148a,0148b]  
*Anomocarella cf. temenus*: Kobayashi, 1935c [PA1170-1172], Kobayashi, 1943b [PA1975]  
*Anomocarella(?) nereis*: Kobayashi, 1931a [PA0147]  
*Aojia spinosa*: Kobayashi, 1935c [PA4168,4169]  
*Aotiaspis oblonga*: Kobayashi, 1960a [PA2388-2394]  
*Aotiaspis ovalis*: Kobayashi, 1960a [PA2395]  
*Apatokephalus canadensis*: Kobayashi, 1953 [PA2084a,2084b,2085,2086], Kobayashi, 1955a [PA2117]  
*Apatokephalus hyotan*: Kobayashi, 1953 [PA2087-2089,2090a,2090b,2091,2092]  
*Apatokephalus octopoides*: Kobayashi, 1934c [PA0830]  
*Apatokephalus sp.*: Kobayashi, 1934c [PA0831-0833]  
*Asaphellus (Asaphelloides) americana*: Kobayashi, 1937c [PA1668-1673]  
*Asaphellus(?) canadensis*: Kobayashi, 1955a [PA2161-2163]  
*Asaphellus(?) catamarcensis*: Kobayashi, 1935f [PA1350-1354]  
*Asaphellus(?) coreanicus*: Kobayashi, 1934c [PA0847]  
*Asaphellus sp. aff. A. gyracanthus*: Kobayashi, 1934c [PA0843-0846]  
*(?) Asaphellus lewis*: Kobayashi, 1940b [PA1828a,1828b,1829,1830]  
*Asaphellus(?) sp.*: Kobayashi, 1934c [PA0848,0849]  
*Asaphellus tomkolensis*: Kobayashi, 1934c [PA0836-0842], Kobayashi, 1960a [PA2399a,2400-2408]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Asaphid*, gen. et sp. indt.: Kobayashi, 1955a [PA2251-2253]  
*Asaphiscus monkei*: Kobayashi, 1935c [PA1158-1161]  
*Asaphiscus(?)* sp.: Kobayashi, 1935c [PA1162,1163]  
*Asaphopsis(?) elegantulus*: Kobayashi, 1936c [PA1367]  
*Asaphopsis(?) gracilicostatus*: Kobayashi, 1940a [PA1809]  
*Asaphopsis juneensis*: Kobayashi, 1940a [PA1805-1808]  
*Asaphopsis nakamurai*: Kobayashi, 1956a [PA1363-1365]  
*Asaphopsis* cfr. *nakamurai*: Kobayashi, 1956a [PA1366]  
*Asaphus(?)* aff. *minor*: Kobayashi, 1934b [PA0781]  
*Asaphus* cfr. *platyurus*: Kobayashi, 1951c [PA2033]  
*Asioptychaspis ceto*: Kobayashi, 1933c [PA0381]  
*Asioptychaspis sphaira*: Kobayashi, 1933c [PA0381]  
*Asioptychaspis subglobosa*: Kobayashi, 1933c [PA0382,0383]  
*Asioptychaspis* cf. *subglobosa*: Kobayashi, 1935c [PA1215]  
*Arthricocephalus? primigenius*: Saito, 1934 [PA0505-0507]  
*Athabaskia ostermeri*: Kobayashi, 1942e [PA1880]  
*Bailiella angusta*: Kobayashi, 1960b [PA2468]  
*Bailiella lantonoisi*: Kobayashi, 1960b [PA2469a-g,2470a,2470b,2471]  
*Basilicus deltacaudus*: Kobayashi, 1934b [PA0714-0719]  
*Basilicus deltacaudus* var. *tyrannoides*: Kobayashi, 1934b [PA0720]  
*Basilicus(?) endoi*: Kobayashi, 1934b [PA0722,0723]  
*Basilicus* sp.: Kobayashi, 1934b [PA0721]  
*Basilicus* aff. *tyrannus*: Kobayashi, 1937c [PA1680]  
*Basilicus yokusenensis*: Kobayashi, 1934b [PA0703-0713]  
*Basiliella kawasaki*: Kobayashi, 1934b [PA0724-0728]  
*Basiliella* aff. *kawasaki*: Kobayashi, 1934b [PA0729]  
*Basiliella lorenzi*: Kobayashi, 1934b [PA0735-0738]  
*Basiliella minima*: Kobayashi, 1934b [PA0739-0742]  
*Basiliella pyriformis*: Kobayashi, 1934b [PA0730-0734]  
*Basiliella yunnanensis*: Kobayashi, 1951c [PA2037]  
*Bellefontia(?)* aff. *collieana*: Kobayashi, 1955a [PA2158,2159]  
*Bellefontia platana*: Kobayashi, 1955a [PA2154-2157]  
*Bellefontia(?)* sp.: Kobayashi, 1955a [PA2160]  
*Blackwelderia* cf. *alastor*: Kobayashi, 1935c [PA1029]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Blackwelderia biloba*: Kobayashi, 1942b [PA1862a]  
*Blackwelderia monkei*: Kobayashi, 1941d [PA1846a]  
*Blackwelderia paronai*: Kobayashi, 1935c [PA1028]  
*Blackwelderia sinensis*: Kobayashi, 1935c [PA1022-1026], Kobayashi, 1942c [PA1845]  
*Blackwelderia* cf. *sinensis*: Kobayashi, 1935c [PA1027]  
*Blackwelderia* sp.: Kobayashi, 1931a [PA0143]  
*Blountia?* *kini*: Kobayashi, 1933c [PA0363]  
*Bonnia orientalis*: Saito, 1934 [PA0484-0486]  
*Bonnia tokunagai*: Saito, 1934 [PA0487-0492]  
*Bonnia* cf. *tokunagai*: Saito, 1934 [PA0493,0494]  
*Bowmania lermantovae*: Kobayashi, 1943c [PA1944]  
*Briscoia*(?) *latimarginalis*: Kobayashi, 1938c [PA1787]  
*Briscoia mertiei*: Kobayashi, 1935d [PA1319,1320]  
*Briscoia*(?) *mitsuishii*: Kobayashi, 1931a [PA0164-0166]  
*Briscoia robusta*: Kobayashi, 1935d [PA1318]  
*Briscoia septentrionalis*: Kobayashi, 1935d [PA1310-1317]  
*Briscoia*(?) sp.: Kobayashi, 1962 [PA4133]  
*Calvinella* sp.: Kobayashi, 1935c [PA1207]  
*Calvinella*(?) sp.: Kobayashi, 1935c [PA1208]  
*Calvinella walcotti*: Kobayashi, 1935c [PA1203-1206]  
*Calymene* (*Synhomalonotus*?) *pompeckji*: Kobayashi, 1937c [PA1642-1647]  
*Camaraspis* cf. *convexus*: Kobayashi, 1935c [PA4200,4201]  
*Carolinites bulbosa*: Kobayashi, 1940b [PA1819,1820]  
*Carolinites quadrata*: Kobayashi, 1940b [PA1821,1822]  
*Chancia canadensis*: Kobayashi, 1936a [PA1417]  
*Chancia?* *clusia*: Kobayashi, 1936a [PA1418-1420]  
*Changia chosensis*: Kobayashi, 1935c [PA1216,1217]  
*Changshania bronus*: Kobayashi, 1935c [PA4202]  
*Changshania conica*: Kobayashi, 1933c [PA0350]  
*Changshania*(?) *liaotungensis*: Kobayashi, 1933c [PA0352-0354]  
*Changshania*(?) *truncata*: Kobayashi, 1933c [PA0351]  
*Cheilocephalus st.-croixensis*: Kobayashi, 1935c [PA4194]  
*Cheiruroides orientalis*: Kobayashi, 1935c [PA4192,4193]  
*Cheiruroides primigenius*: Kobayashi and Kato, 1951 [PA2048-2052]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Cheirurus (Crotalocephalus) japonicus*: Kobayashi and Igo, 1956 [PA2273-2276]
- Cheirurus (Crotalocephalus) sp.*: Kobayashi and Igo, 1956 [PA2277]
- Chosenia laticephala*: Kobayashi, 1934c [PA0884-0887]
- Chuangia aff. batia*: Kobayashi, 1935c [PA1073-1077]
- Chuangia cfr. batia*: Kobayashi, 1938d [PA1797]
- Chuangia buchruckeri*: Kobayashi, 1938d [PA1796]
- Chuangia frequens*: Kobayashi, 1937b [PA1511-1514]
- Chuangia kawadai*: Kobayashi, 1933c [PA0364-0366]
- Chuangia monkei*: Kobayashi, 1938d [PA1795]
- Chuangia nitida*: Kobayashi, 1935c [PA1066]
- Chuangia taihakuensis*: Kobayashi, 1935c [PA1067-1072]
- Chuangia transversalis*: Kobayashi, 1933c [PA0345b,0367,0368]
- Chuangiella elongata*: Kobayashi, 1935c [PA1078]
- Chuangiella intermedia*: Kobayashi, 1935d [PA1304]
- Clavagnostus repandiformis*: Kobayashi, 1943c [PA1922,1923]
- Clavagnostus cfr. repandiformis*: Kobayashi, 1943c [PA1924]
- Clelandia(?) sp.*: Kobayashi, 1955a [PA2209]
- Columbicephalus macrops*: Kobayashi, 1955a [PA2183]
- Conocephalites ornatus*: Kobayashi, 1962 [PA4090]
- Conocoryphe lantenoisi*: Kobayashi, 1935c [PA1091,1092]
- Coosia coreanica*: Kobayashi, 1935c [PA1104]
- Coosia(?) sp.*: Kobayashi, 1962 [PA4121]
- Coosia tokunagai*: Kobayashi, 1931a [PA0150,0151a,0151b]
- Coreanocephalus cylindricus*: Kobayashi, 1935c [PA1197,1198]
- Coreanocephalus kogenensis*: Kobayashi, 1935c [PA1195,1196]
- Coreanocephalus planulatus*: Kobayashi, 1957d [PA2295b,2299i,2299j,2299k,2299l]
- Coreanocephalus(?) tenuisulcata*: Kobayashi, 1935c [PA1199-1201]
- Coronocephalus kobayashii*: Hamada, 1959c [PA7280-7282,7283a,7283b,7284-7292,7293a,7293b,7294-7297]
- Crepicephalina(?) sp. aff. C. convexa*: Kobayashi, 1942g [PA1890]
- Crepicephalina sinuosa*: Kobayashi, 1935c [PA1151]
- Crepicephalus airaghii*: Kobayashi, 1935c [PA1152,1153]
- Crepicephalus columbiensis*: Kobayashi, 1938c [PA1772-1776]
- Crepicephalus subquadratus*: Kobayashi, 1935c [PA1154]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Ctenopyge*(?) sp.: Kobayashi, 1962 [PA4072]
- Cyrtometops*(?) *pacificus*: Kobayashi, 1934c [PA0895]
- Damesella brevicaudata* var.: Kobayashi, 1956d [PA2282]
- Damesella octaspina*: Kobayashi, 1935c [PA1018-1021]
- Damesella paronai*: Kobayashi, 1941c [PA1841-1844], Kobayashi, 1955b [PA 2096]
- Dawsonia bunkeiensis*: Kobayashi, 1961b [PA2500-2502]
- Dechenella* (*Dechenella*) *minima*: Kobayashi, 1957e [PA8006]
- Dechenella minima*: Okubo, 1951 [PA8006]
- Dictya depressa*: Kobayashi, 1935c [PA1191-1193]
- Dictya dictys*: Kobayashi, 1933c [PA0405,0406]
- Dictya dolichocephala*: Kobayashi, 1933c [PA0407]
- Dictya longicauda*: Kobayashi, 1935c [PA1194]
- Dictya trigonalis*: Kobayashi, 1933c [PA0408-0410], Kobayashi, 1935c [PA 1187-1190]
- Dictyella*(?) *longicephalina*: Kobayashi, 1933c [PA0413]
- Dictyella ozawai*: Kobayashi, 1933c [PA0412], Kobayashi, 1952 [PA2071]
- Dictyella wuhuensis*: Kobayashi, 1933c [PA0411]
- Dikelokephalina asiatica*: Kobayashi, 1934c [PA0875-0877]
- Dikelokephalina conica*: Kobayashi, 1960a [PA2365c]
- Dikelokephalina kanaegata*: Kobayashi, 1934c [PA0878,0879]
- Dikelokephalina parva*: Kobayashi, 1960a [PA2365b,2396-2398]
- Dimeropygiella eos*: Kobayashi, 1955a [PA2210]
- Dinesus ida*: Kobayashi, 1935c [PA4189]
- Dolichometopsis humei*: Kobayashi, 1936a [PA1402a,1402b,1402c]
- Dolichometopus svecicus*: Kobayashi, 1942e [PA1881,1882]
- Dorpyge laiwuensis*: Kobayashi, 1938d [PA1794]
- Dorpyge manchuriensis*: Kobayashi, 1935c [PA1010,1011]
- Dorpyge richthofeni*: Kobayashi, 1937b [PA1533,1534], Kobayashi, 1960b [PA2439-2445]
- Dorpygella longa*: Kobayashi, 1942b [PA1862b]
- Dorpygella* sp. nov.: Kobayashi, 1956d [PA2284]
- Dorpygellinae*: Kobayashi, 1955b [PA2106,2107]
- Drepanura ketteleri*: Kobayashi, 1935c [PA1033,1034], Kobayashi, 1956d [PA 2283]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Drepanura premesnili*: Kobayashi, 1931a [PA0142], Kobayashi, 1935c [PA1030-1032], Kobayashi, 1941a [PA1839], Kobayashi, 1941d [PA1846b]
- Dunderbergia canadensis*: Kobayashi, 1938c [PA1753,1754]
- Dunderbergia (Megadunderbergia) convexa*: Kobayashi, 1938c [PA1755]
- Dunderbergia (Megadunderbergia) quadrata*: Kobayashi, 1938c [PA1756]
- Dunderbergia (Megadunderbergia?) similator*: Kobayashi, 1938c [PA1757]
- Eilura typa*: Kobayashi, 1935c [PA4170]
- Ellipsocephaloides cf. curtus*: Kobayashi, 1935c [PA4196,4197]
- Elrathia chuwaensis*: Kobayashi, 1935c [PA1100], Kobayashi, 1962 [PA4054-4057]
- Elrathia hoboi*: Kobayashi, 1962 [PA4058,4059a,4059b,4060-4062,4063a,4063b]
- Elrathia cfr. hoboi*: Kobayashi, 1962 [PA4064]
- Elrathia kikkawai*: Kobayashi, 1935c [PA1099]
- Elrathia spinifera*: Kobayashi, 1962 [PA4065-4068]
- Elrathia taiiliensis*: Kobayashi, 1935c [PA1096-1098]
- Elrathiella taira*: Kobayashi, 1962 [PA4069,4070]
- Elvinia roemeri*: Kobayashi, 1938c [PA1745-1750]
- Elvinia aff. roemeri*: Kobayashi, 1938c [PA1751]
- Elvinia(?) sp.*: Kobayashi, 1938c [PA1752]
- Eochuangia hana*: Kobayashi, 1935c [PA1048-1053], Kobayashi, 1962 [PA4029-4032,4033a,4033b,4034,4035a,4035b,4036a]
- Eochuangia hana var. conica*: Kobayashi, 1935c [PA1054-1056]
- Eodiscus fusifrons*: Saito, 1934 [PA0448-0451]
- Eodiscus(?) sp.*: Kobayashi, 1935c [PA0978]
- Eodiscus spiniger*: Saito, 1934 [PA0452-0458]
- "Eosaukia" buravasi*: Kobayashi, 1957d [PA2294c,2294d,2294e,2295a,2296c,2296d,2297b,2297c,2298c,2298d,2298e,2298f,2299d,2299e,2299f,2299g,2299h]
- Eosaukia(?) walcotti*: Kobayashi, 1956d [PA2287-2290]
- Esseigania tolli*: Kobayashi, 1943c [PA1966]
- Etheridgaspis carolinensis*: Kobayashi, 1940b [PA1823,1824]
- Etheridgaspis johnstoni*: Kobayashi, 1940b [PA1825-1827]
- Eulomella mckayensis*: Kobayashi, 1955a [PA2201]
- Euproops orientalis*: Kobayashi, 1933b [PA0433]
- Euptychaspis kirki*: Kobayashi, 1935c [PA1330,1331]
- Eurekia sp.*: Kobayashi, 1935c [PA1333]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Eymekops carinata*: Kobayashi, 1960b [PA2480]  
*Eymekops expansus*: Kobayashi, 1960b [PA2479]  
*Eymekops hermius*: Kobayashi, 1935c [PA1107,1108]  
*Eymekops mesops*: Kobayashi, 1962 [PA4124]  
*Eymekops perlongatus*: Kobayashi, 1962 [PA4122,4123]  
*Fuchouia manchuriensis*: Kobayashi, 1935c [PA0982]  
*Gallagnostus bolivianus*: Kobayashi, 1937c [PA1593,1594]  
*Geragnostella cambria*: Kobayashi, 1960b [PA2438]  
*Geragnostus* aff. *mundus*: Kobayashi, 1955a [PA2246,2247]  
*Geragnostus obsoletus*: Kobayashi, 1960b [PA2436,2437]  
*Geragnostus quadratus*: Kobayashi, 1937c [PA1600-1602]  
*Geragnostus tullbergi*: Kobayashi, 1937c [PA1597-1599]  
*Giordanelia meneghini*: Kobayashi, 1935c [PA4204-4206]  
*Girandia typa*: Kobayashi, 1943c [PA1929,1930]  
*Glossopleura williamsi*: Kobayashi, 1936a [PA1403-1408]  
*Glyphaspis*(?) sp.: Kobayashi, 1938c [PA1779]  
*Glyptagnostus reticulatus*: Kobayashi, 1949 [PA1991,1993,1995-2003], Kobayashi, 1962 [PA1991a,1993a,1996a,1996b,2000,2002]  
*Glyptagnostus "reticulatus"*: Kobayashi, 1938c [PA1721]  
*Gonioteloides monoceros*: Kobayashi, 1955a [PA2194-2196]  
*Gonioteloides punctatus*: Kobayashi, 1955a [PA2197]  
*Hagiorites omeishanensis*: Kobayashi, 1951c [PA2019]  
*Homagnostus euryraxis*: Kobayashi, 1943c [PA1925-1927]  
*Hamashania pulchra*: Kobayashi, 1942a [PA1859,1860]  
*Hamashania*(?) sp.: Kobayashi, 1958a [PA2312], Kobayashi, 1962 [PA2312]  
*Hancrania brevilimbata*: Kobayashi, 1962 [PA3996b,3996c,3996d,3996e,3996f]  
*Haniwa conica*: Kobayashi, 1935c [PA1121a], Kobayashi, 1956d [PA2285]  
*Haniwa convexa*: Kobayashi, 1935c [PA1120]  
*Haniwa oblongata*: Kobayashi, 1935c [PA1122,1123]  
*Haniwa quadrata*: Kobayashi, 1933c [PA0424], Kobayashi, 1935c [PA1114-1119], Kobayashi, 1951b [PA2010-2012]  
*Haniwa sosanensis*: Kobayashi, 1933c [PA0421-0423]  
*Haniwa* sp.: Kobayashi, 1933c [PA0425]  
*Haniwa* sp.: Kobayashi, 1935c [PA1124]  
*Haniwa*(?) sp.: Kobayashi, 1935c [PA1125,1126]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Haniwoides concavus*: Kobayashi, 1935c [PA1111-1113]  
*Haniwoides longissimus*: Kobayashi, 1962 [PA4041b]  
*Haniwoides longus*: Kobayashi, 1935c [PA1109,1110]  
*Haniwoides(?) puteolatus*: Kobayashi, 1962 [PA4126,4127,4128a,4129-4132]  
*Haniwoides(?) sp. nov.*: Kobayashi, 1961b [PA3977]  
*Haniwoides tenuis*: Kobayashi, 1962 [PA4125a,4125b]  
*Hardyoides minor*: Kobayashi, 1938c [PA1739]  
*"Hedinaspis" granulatum*: Kobayashi, 1962 [PA3996g]  
*Hedinia regalis*: Kobayashi, 1944c [PA1990]  
*Hintzeia glabella*: Kobayashi, 1960a [PA2413]  
*Hoekaspis mesops*: Kobayashi, 1937c [PA1664-1667]  
*Hoekaspis metacensis*: Kobayashi, 1937c [PA1660-1663]  
*Homagnostus acutus*: Kobayashi, 1938c [PA1730-1734]  
*Homagnostus cfr. acutus*: Kobayashi, 1938c [PA1735]  
*Homagnostus hisakoshii*: Kobayashi, 1962 [PA4000a,4000b,4000c,4000d,4001a,4001b,4001c,4002a,4003,4004a,4005-4010]  
*Homalonotus (Brongniartella?) bistrami*: Kobayashi, 1937c [PA1648-1650]  
*Hsiaiella striata*: Kobayashi, 1935c [PA4171]  
*Hukasawaia cylindrica*: Kobayashi, 1953 [PA2083]  
*Hundwarella (Honanaspis?) matsushitai*: Kobayashi, 1962 [PA4108]  
*Hungaia(?) pacifica*: Kobayashi, 1935c [PA1327,1328]  
*Hupeia pulchra*: Kobayashi, 1944a [PA1980,1981]  
*Hypagnostus latelimbatus*: Kobayashi, 1938d [PA1792,1793]  
*Hyperagnostus binodosus*: Kobayashi, 1955a [PA2244,2245]  
*Hyperbolochilus expansus*: Kobayashi, 1955a [PA2133]  
*Hysterolenus(?) manchuricus*: Kobayashi, 1933c [PA0426]  
*Hystricurus calvus*: Kobayashi, 1960a [PA2374,2375]  
*Hystricurus eurycephalus*: Kobayashi, 1934c [PA0827]  
*Hystricurus cfr. genelatus*: Kobayashi, 1955a [PA2205,2206]  
*Hystricurus megalops*: Kobayashi, 1934c [PA0825,0826], Kobayashi, 1960a [PA2372]  
*Hystricurus cfr. megalops*: Kobayashi, 1960a [PA2373]  
*Hystricurus platypleurus*: Kobayashi, 1955a [PA2204]  
*Hystricurus sp.*: Kobayashi, 1955a [PA2207]



# ARTHROPODA

## Paleozoic Trilobita (continued)

- Iddingsia concava*: Kobayashi, 1938c [PA1743,1744]  
*Iddingsia orientalis*: Kobayashi, 1958a [PA2311]  
*"Iddingsia" orientalis*: Kobayashi, 1962 [PA2311]  
*Iddingsia(?) shantungensis*: Kobayashi, 1935a [PA4208]  
*Iliaenurus calvinia*: Kobayashi, 1935c [PA4195]  
*Iliaenurus montanensis*: Kobayashi, 1935d [PA1305-1307]  
*Iliaenus hinomotoensis*: Kobayashi, 1934c [PA0869-0873]  
*Iliaenus holmi*: Kobayashi, 1951c [PA2040]  
*Iliaenus semioviiformis*: Kobayashi, 1934c [PA0874]  
*Iliaenus sinensis*: Kobayashi, 1951c [PA2038]  
*Iliaenus sinensis* var. *euryrachis*: Kobayashi, 1951c [PA2039]  
*Iliaenus suni*: Kobayashi, 1951c [PA2032]  
*Inouyella peiensis*: Kobayashi, 1935c [PA4172]  
*Inouyella typa*: Kobayashi, 1937b [PA1518,1519]  
*Irvingella (Irvingellina) protuberans*: Kobayashi, 1938c [PA1736,1737]  
*Irvingella (Irvingellina)? sp.*: Kobayashi, 1938c [PA1738]  
*Irvingella(?) orientalis*: Kobayashi, 1934c [PA0881,0882]  
*Irvingella(?) sp.*: Kobayashi, 1934c [PA0883]  
*Isoteloides(?) hupeiensis*: Kobayashi, 1951c [PA2030,2031]  
*Isoteloides usuii*: Kobayashi, 1951c [PA2034]  
*Isotelus* aff. *gigas*: Kobayashi, 1931a [PA0167]  
*Iwayaspis asaphoides*: Kobayashi, 1962 [PA4002b,4004b,4044b,4154a,4154b,4155-4161]  
*Jubileia grandifrons*: Kobayashi, 1938c [PA1786]  
*Jujuyaspis borealis*: Kobayashi, 1955a [PA2224,2225]  
*Jujuyaspis keideli*: Kobayashi, 1936b [PA1250-1254]  
*Jujuyaspis steinmanni*: Kobayashi, 1936g [PA1501-1505], Kobayashi, 1937c [PA1637]  
*Kabutocrania fossula*: Kobayashi, 1960b [PA2457]  
*Kainella billingsi*: Kobayashi, 1937c [PA1603-1606]  
*Kainella conica*: Kobayashi, 1935f [PA1347,1348]  
*Kainella euryrachis*: Kobayashi, 1953 [PA2072]  
*Kainella flagricauda*: Kobayashi, 1953 [PA2073]  
*Kainella kindlei*: Kobayashi, 1955a [PA2116]  
*Kainella lata*: Kobayashi, 1935f [PA1349]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Kainella meridionalis*: Kobayashi, 1935f [PA1341-1346], Kobayashi, 1937c [PA1607-1609]
- Kainella stenorachis*: Kobayashi, 1953 [PA2074,2075]
- Kaninia sulcata*: Kobayashi, 1938c [PA1781-1784]
- Kaniniella concinna*: Kobayashi, 1938c [PA1785]
- Kaolishania granulata*: Kobayashi, 1935c [PA1035-1039]
- Kaolishania granulosa*: Kobayashi, 1960b [PA2446-2451]
- Kaolishania(?) granulosa*: Kobayashi, 1933c [PA0360]
- Kaolishania(?) latiura*: Kobayashi, 1960b [PA2452]
- Kaolishania(?) obsolata*: Kobayashi, 1933c [PA0361,0362]
- Kaolishania obsolata*: Kobayashi, 1935c [PA1040,1041]
- Kaolishania cf. obsolata*: Kobayashi, 1935c [PA1042]
- Kaolishania orientalis*: Kobayashi, 1935c [PA1043]
- Kaolishania cf. pustulosa*: Kobayashi, 1933c [PA0359]
- Kaolishania sp.*: Kobayashi, 1935c [PA1044]
- Kaolishania sp.*: Kobayashi, 1956b [PA2272]
- Kaolishania(?) sp.*: Kobayashi, 1935c [PA1045]
- (?)Kaolishaniella transita*: Kobayashi, 1960b [PA2449a,2453a,2454,2455]
- Kayseraspis(?) euclids*: Kobayashi, 1955a [PA2167-2178]
- Kayseraspis(?) cfr. euclids*: Kobayashi, 1955a [PA2179,2180]
- Kayseraspis(?) sp.*: Kobayashi, 1955a [PA2181,2182]
- Kingaspis campelli*: Kobayashi, 1935c [PA4198,4199]
- Kingstonia convexa*: Kobayashi, 1933a [PA0280,0281]
- Kingstonia humilis*: Kobayashi, 1933a [PA0282]
- Kingstonia paichiaensis*: Kobayashi, 1933c [PA0414,0415]
- Kingstonia parallela*: Kobayashi, 1958a [PA2309], Kobayashi, 1962 [PA2309]
- Kingstonia semicircularis*: Kobayashi, 1933a [PA0278,0279]
- Kirkella cfr. vigilans*: Kobayashi, 1955a [PA2184-2190]
- Kobayashia lanceolata*: Kobayashi, 1955a [PA2164-2166]
- Kogenium rotundum*: Kobayashi, 1935c [PA1145-1148]
- Kogenium triangulare*: Kobayashi, 1935c [PA1149,1150]
- Kokuria typa*: Kobayashi, 1935c [PA1133]
- Koldinia microphthalma*: Kobayashi, 1943c [PA1931-1935]
- Koldinia minor*: Kobayashi, 1943c [PA1936-1939]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Koldinioidia aspinosa*: Kobayashi, 1933c [PA0348,0349]  
*Koldinioidia typicalis*: Kobayashi, 1931a [PA0154b,0173]  
*Komaspis*(?) *convexa*: Kobayashi, 1935c [PA0985]  
*Komaspis* (*Parairvingella*) *convexus*: Kobayashi, 1954 [PA2093], Kobayashi, 1962 [PA4039,4040,4041a]  
*Komaspis* (*Parairvingella*) *megalops*: Kobayashi, 1962 [PA4038b,4042,4043,4044a,4045,4046]  
*Komaspis typa*: Kobayashi, 1935c [PA0984]  
*Kootenia amanoi*: Kobayashi, 1961b [PA3956,4875-4879,4881]  
*Kootenia asiatica*: Kobayashi, 1935c [PA1008,1009a,1009b]  
*Kootenia damesi*: Kobayashi, 1935c [PA1006,1007]  
*Kootenia punctata*: Kobayashi, 1935c [PA0999-1005]  
*Koptura biloba*: Kobayashi, 1935c [PA1155]  
*Koptura bispinata*: Kobayashi, 1962 [PA4113-4119]  
*Koptura* cfr. *bispinata*: Kobayashi, 1962 [PA4120]  
*Koraipsis spinus*: Kobayashi, 1934c [PA0896], Kobayashi, 1960a [PA2412]  
*Kotuia anomocaroides*: Kobayashi, 1943c [PA1951-1954]  
*Lachnostoma*(?) sp.: Kobayashi, 1955a [PA2200]  
*Lakaspis apolinista*: Kobayashi, 1937c [PA1654,1655]  
*Lecanopleura*(?) *glabella*: Kobayashi, 1943c [PA1955-1958]  
*Leiocoryphe platycephala*: Kobayashi, 1935d [PA1309]  
*Leiostegina inexpectans*: Kobayashi, 1937c [PA1651-1653]  
*Leiostegioides raymondi*: Kobayashi, 1934c [PA0824]  
*Leiostegium* (*Evansaspis*) *glabrum*: Kobayashi, 1955a [PA2126-2132]  
*Liaotungia puteata*: Kobayashi, 1935c [PA4173]  
*Licnocephala longa*: Kobayashi, 1955a [PA2198,2199]  
*Linchengia onigawara*: Kobayashi, 1942d [PA1919]  
*Lingukainella robusta*: Kobayashi, 1953 [PA2082]  
*Lioparella longifolia*: Kobayashi, 1962 [PA4112]  
*Lioparia conicula*: Kobayashi, 1960b [PA2478]  
*Lioparia expansus*: Kobayashi, 1935c [PA1105]  
*Lioparia latelimbatum*: Kobayashi, 1937b [PA1522]  
*Lioparia*(?) *longifrons*: Kobayashi, 1935c [PA1106]  
*Lioparia lorenzi*: Kobayashi, 1938d [PA1798]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Liostracina krausei*: Kobayashi, 1935c [PA0968b,1134]  
*Lisania conica*: Kobayashi, 1962 [PA4037,4038a]  
*Lopnorites* sp.: Kobayashi, 1938b [PA1790]  
*Lorenzella quadrata*: Kobayashi, 1935c [PA1087-1090]  
*Lorenzella tatei*: Kobayashi, 1935c [PA1086]  
*Lunacrania trisecta*: Kobayashi, 1955a [PA2240]  
*Macroculites enigmaticum*: Kobayashi, 1955a [PA2214a]  
*Macroculites*(?) sp.: Kobayashi, 1955a [PA2214b]  
*Megalophthalmus megalurus*: Kobayashi, 1937b [PA1531]  
*Maladioides asiaticus*: Kobayashi, 1933c [PA0417-0419]  
*Maladioides coreanicus*: Kobayashi, 1935c [PA1156,1157]  
*Maladioides fragmentus*: Kobayashi, 1933c [PA0420]  
*Maladioides* or *Changshania* sp.: Kobayashi, 1938d [PA1802]  
*Manchuriella* (*Blainia*?) *minaformis*: Kobayashi, 1935c [PA1180,1181]  
*Manchuriella convexa*: Kobayashi, 1935c [PA1173-1177]  
*Manchuriella* cf. *convexa*: Kobayashi, 1935c [PA1178]  
*Manchuriella*(?) *disparilis*: Kobayashi, 1943c [PA1965]  
*Manchuriella septentrionalis*: Kobayashi, 1943c [PA1959-1962]  
*Manchuriella sibirica*: Kobayashi, 1943c [PA1963,1964]  
*Manchuriella* cf. *tatian*: Kobayashi, 1935c [PA1179]  
*Mansuyia maladiformis*: Kobayashi, 1935c [PA1182,1183]  
*Mansuyia orientalis*: Kobayashi, 1952 [PA2057-2059]  
*Mansuyia tani*: Kobayashi, 1952 [PA2054-2056]  
*Mansuyia trigonalis*: Kobayashi, 1960b [PA2458,2459]  
*Mapania beihoensis*: Kobayashi, 1935c [PA1101-1103]  
*Mareda mukazegata*: Kobayashi, 1942d [PA1920,1921], Kobayashi, 1960b [PA2493,2494]  
*Megagraulos breviscapus*: Kobayashi, 1962 [PA4079]  
*Megagraulos coreanicus*: Kobayashi, 1935c [PA1079-1085]  
*Megagraulos* cfr. *coreanicus*: Kobayashi, 1962 [PA4080]  
*Megagraulos medius*: Kobayashi, 1962 [PA4077,4078]  
*Megagraulos*(?) *semicircularis*: Kobayashi, 1961b [PA3968-3972]  
*Megalaspidella kayseri*: Kobayashi, 1937c [PA1674,1675]  
*Megalaspis*(?) *akyrorachis*: Kobayashi, 1934c [PA0855]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Megalaspis*(?) *biangulata*: Kobayashi, 1934c [PA0853,0854]  
*Megalaspis*(?) *euryrachis*: Kobayashi, 1934c [PA0856]  
*Megalaspis orientalis*: Kobayashi, 1934c [PA0851,0852]  
*Megalaspis*(?) a sp.: Kobayashi, 1934c [PA0859]  
*Megalaspis*(?) b sp.: Kobayashi, 1934c [PA0860]  
*Megalaspis*(?) *substenorachis*: Kobayashi, 1934c [PA0857,0858]  
*Megalophthakmus megalurus*: Kobayashi, 1937b [PA1532]  
Meraspid, gen. et sp. indt.: Kobayashi, 1962 [PA4036c]  
Meraspis(?), gen. et sp. indt.: Kobayashi, 1962 [PA4153b]  
*Mesocrevicephalus airaghii*: Kobayashi, 1962 [PA4088,4089]  
*Mesocrevicephalus* cfr. *magna*: Kobayashi, 1942g [PA1889]  
*Mesocrevicephalus subquadratus*: Kobayashi, 1962 [PA4084-4087]  
*Metabowmania latilimbata*: Kobayashi, 1955a [PA2211,2212]  
*Metadiscus bunkeiensis*: Kobayashi, 1943a [PA1969-1971]  
*Metadiscus bunkeiensis* var. *sulcata*: Kobayashi, 1943a [PA1972,1973]  
*Metagraulos*(?) *intermedius*: Kobayashi, 1942g [PA1893-1897]  
*Metagraulos nanum*: Kobayashi, 1937b [PA1527]  
*Metagraulos sampoensis*: Kobayashi, 1961b [PA3961b,3965-3967]  
*Metagraulos* sp. nov.: Kobayashi, 1962 [PA4081]  
*Metagraulos*(?) sp. nov.: Kobayashi, 1962 [PA4082]  
*Metapilekia* sp. nov.: Kobayashi, 1960a [PA2409]  
*Meteoraspis laticephalus*: Kobayashi, 1938c [PA1778]  
*Metopolichas*(?) *martellii*: Kobayashi, 1934c [PA0880]  
*Micragnostus coreanicus*: Kobayashi, 1960a [PA2364,2365a,2366-2368]  
*Mimana eurycephala*: Kobayashi, 1935c [PA1046]  
*Mimana*(?) sp.: Kobayashi, 1935c [PA1047]  
*Modocia*(?) *obrutschewi*: Kobayashi, 1943c [PA1950]  
*Moxonia angulata*: Kobayashi, 1955b [PA1699]  
*Mungyongia subovalis*: Kobayashi, 1961b [PA3964]  
*Mungyongia tulipiformis*: Kobayashi, 1961b [PA3963]  
*Myona flabelliformis*: Kobayashi, 1935c [PA1244,1245], Kobayashi, 1955b [PA2103-2105], Kobayashi, 1960b [PA2495]  
*Neoagnostus aspidoides*: Kobayashi, 1955a [PA2242,2243]  
*Neotaenicephalus obsoletus*: Kobayashi, 1955a [PA2202]

## ARTHROPODA

### Paleozoic Trilobita (continued)

- Nileidae*(?) gen. and sp. indt.: Kobayashi, 1955a [PA2134,2135]  
*Ogyginus* aff. *O. corndensis*: Kobayashi, 1934c [PA0850]  
*Ogyginus*(?) sp.: Kobayashi, 1937c [PA1658,1659]  
*Ogygitoides raymondi*: Kobayashi, 1934b [PA0772-0777]  
*Olenellus mackenziensis*: Kobayashi, 1936a [PA1400]  
*Olenoides asiaticus*: Kobayashi, 1935c [PA0994-0997], Kobayashi, 1962 [PA4021-4024]  
*Olenoides* cf. *asiaticus*: Kobayashi, 1935c [PA0998]  
*Olenus asiaticus*: Kobayashi, 1944d [PA1991], Kobayashi, 1962 [PA1991b]  
*"Olenus" argentinus*: Kobayashi, 1937c [PA1619-1622]  
*Olenus*(?) sp.: Kobayashi, 1937c [PA1623]  
*Omeipsis huangi*: Kobayashi, 1951c [PA2026-2029]  
*Onchometopus*(?) *makkolensis*: Kobayashi, 1934b [PA0779,0780]  
*Onchonotus ovoidea*: Kobayashi, 1938c [PA1777]  
*Onchonotus* sp.: Kobayashi, 1934c [PA0829]  
*Onchonotus walcotti*: Kobayashi, 1934c [PA0828]  
*Oryctocephalus kobayashii*: Saito, 1934 [PA0500,0501]  
*Oryctocephalus orientalis*: Saito, 1934 [PA0495-0499]  
*Oryctocephalus primus*: Kobayashi, 1951c [PA4191]  
*Oryctocephalus* cf. *reynoldsi*: Saito, 1934 [PA0502a,0502b,0503,0504a,0504b]  
*Orygmaspis microphthalmus*: Kobayashi, 1938c [PA1766]  
*Paenebeltella convexa*: Kobayashi, 1955a [PA2226,2227]  
*Pagodia buda*: Kobayashi, 1933c [PA0373]  
*Pagodia chaoi*: Kobayashi, 1933c [PA0371]  
*Pagodia coreanica*: Kobayashi, 1960b [PA2465-2467]  
*Pagodia damesi*: Kobayashi, 1933c [PA0372]  
*Pagodia lorenzi*: Kobayashi, 1933c [PA0374]  
*Pagodia richthofeni*: Kobayashi, 1933c [PA0369,0370]  
*Pagodia shumardoides*: Kobayashi, 1935c [PA1012]  
*Pagodia thaiensis*: Kobayashi, 1957d [PA2294b,2296a]  
*Palaeolenus aotii*: Kobayashi, 1961b [PA2527-2529,4871,4872]  
*Palaeolenus lantenoisi*: Kobayashi, 1944b [PA1984]  
*Parabasilicus*(?) sp. aff. *Asaphus laevis*: Kobayashi, 1934b [PA0767-0771]  
*Parabasilicus shirakii*: Kobayashi, 1934b [PA0749-0755]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Parabasilicus typicalis*: Kobayashi, 1934b [PA0743-0748]  
*Parabasilicus* aff. *typicalis*: Kobayashi, 1937c [PA1681,1682]  
*Parabasilicus yamanarii*: Kobayashi, 1934b [PA0756-0766]  
*Parabolina andina*: Kobayashi, 1937c [PA1624-1628]  
*Parabolina* sp.: Kobayashi, 1937c [PA1629,1630]  
*Parabolinella argentinensis*: Kobayashi, 1936b [PA1246-1249]  
*Parabolinella bisulcata*: Kobayashi, 1955a [PA2215,2216]  
*Parabolinella evansi*: Kobayashi, 1938c [PA1767-1771]  
*Parabolinella(?) evansi*: Kobayashi, 1936b [PA1694-1697]  
*Parabolinella? punctolineata*: Kobayashi, 1936a [PA1423,1424]  
*Parabolinella(?)* aff. *shinetonensis*: Kobayashi, 1937c [PA1631,1632]  
*Parabolinopsis mariana*: Kobayashi, 1937c [PA1633-1635]  
*Parabriscoia dolichorachis*: Kobayashi, 1935d [PA1325]  
*Parabriscoia elegans*: Kobayashi, 1935d [PA1321-1323]  
*Parabriscoia stenorachis*: Kobayashi, 1935d [PA1324]  
*Parabriscoia(?) tripunctata*: Kobayashi, 1935d [PA1326]  
*Paracoosia asiatica*: Kobayashi, 1936c [PA1362]  
*Paragraulos parvicaulis*: Kobayashi, 1962 [PA4074]  
*Parahystericurus(?)* sp.: Kobayashi, 1955a [PA2208]  
*Parakoldinioidia typicalis*: Kobayashi, 1956b [PA2269-2271]  
*Pararaia tatei*: Kobayashi, 1942f [PA1886-1888]  
*Peishania convexa*: Kobayashi, 1935c [PA4174,4175]  
*Peishania(?) semicircularis*: Kobayashi, 1942g [PA1898]  
*Peltura canadensis*: Kobayashi, 1955a [PA2223]  
*Peltura pacifica*: Kobayashi, 1955a [PA2219-2222]  
*Peronopsis laiwuensis*: Kobayashi, 1938d [PA1791]  
*Peronopsis(?) latimarginatus*: Kobayashi, 1938c [PA1718-1720]  
*Peronopsis rakuroensis*: Kobayashi, 1962 [PA3993-3995]  
*Phalacroma atuberculata*: Kobayashi, 1937c [PA1591,1592]  
*Phalacromina minor*: Kobayashi, 1962 [PA3996a]  
*Pharostoma parapulchra*: Kobayashi, 1951c [PA2042]  
*Phillipsia kansuensis*: Ozawa, 1927c [PA1269]  
*Phillipsia ohmorensis*: Okubo, 1951 [PA8002-8005]  
*Phoidagnostus obsoletus*: Kobayashi, 1962 [PA3997-3999]  
*Pianaspis kodairai*: Saito and Sakakura, 1936 [PA1498-1500]

## ARTHROPODA

### Paleozoic Trilobita (continued)

- Platycolpus? granulatus*: Kobayashi, 1933a [PA0286]  
*Platysaukia euryrachis*: Kobayashi, 1960b [PA2492]  
*Plethometopus longispinus*: Kobayashi, 1958a [PA2310], Kobayashi, 1962 [PA2310]  
*Plethometopus microphthalmus*: Kobayashi, 1937c [PA1615-1618]  
*Plethopeltis megalops*: Kobayashi, 1937c [PA1612-1614]  
*Plethopeltis? microlops*: Kobayashi, 1934c [PA0835]  
*Plethopeltis orientalis*: Kobayashi, 1933a [PA0284]  
*Plethopeltis resseri*: Kobayashi, 1933a [PA0285]  
*Plethopeltis robustus*: Kobayashi, 1938c [PA1740,1741]  
*Plethopeltis saurini*: Kobayashi, 1956d [PA2291-2293]  
*Plethopeltis stenorhachis*: Kobayashi, 1943c [PA1943]  
*Plethopeltis ulrichi*: Kobayashi, 1934c [PA0834]  
*Pliomera* aff. *martellii*: Kobayashi, 1934b [PA0782,0783]  
*Pliomera* (*Pliomerops?*) *koseiensis*: Kobayashi, 1931b [PA0230]  
*Pliomera*(?) sp.: Kobayashi, 1931b [PA0231]  
*Pliomerid*, gen. et sp. indt.: Kobayashi, 1960a [PA2414,2415a]  
*Poliella anteros*: Kobayashi, 1942e [PA1883]  
*Proasaphiscus huolinensis*: Kobayashi, 1962 [PA4111]  
*Proasaphiscus yabei*: Kobayashi, 1935c [PA4176], Kobayashi, 1962 [PA4110]  
*Proaulacopheura buttsi*: Kobayashi, 1936b [PA1698]  
*Probowmania ligea* var. *quadrata*: Kobayashi, 1942b [PA1891,1892]  
*Proceratopyge* (*Kogenium*) *rotundum*: Kobayashi, 1962 [PA4036b,4128b,4135-4146,4147a,4147b]  
*Proceratopyge* (*Lopnorites*) *rectispicatus*: Kobayashi, 1962 [PA4148,4149]  
*Proceratopyge* (*Lopnorites?*) *robustus*: Kobayashi, 1962 [PA4150-4152]  
cfr. *Proceratopyge* (*Lopnorites?*) *robustus*: Kobayashi, 1962 [PA4153a]  
*Proceratopyge* (*Lopnorites?*) sp.: Kobayashi, 1961b [PA3978]  
*Proceratopyge* (*Proceratopyge*) *liaotungensis*: Kobayashi and Ichikawa, 1955 [PA2255-2263]  
*Proceratopyge* (*Proceratopyge*) sp.: Kobayashi, 1962 [PA4134]  
*Prochuangia angusta*: Kobayashi, 1935c [PA1065]  
*Prochuangia mansuyi*: Kobayashi, 1935c [PA1057-1063]  
*Prochuangia posterospina*: Kobayashi, 1935c [PA1064]  
*Prochuangia quadriceps*: Kobayashi, 1937b [PA1515-1517]



# ARTHROPODA

## Paleozoic Trilobita (continued)

- Proliostracus? brevicaudatus*: Saito and Sakakura, 1936 [PA1490-1497]
- Prolloydia orientalis*: Kobayashi, 1960b [PA2460-2464]
- Prosaukia angulata*: Kobayashi, 1956d [PA2286]
- Prosaukia(?) orientalis*: Kobayashi, 1933c [PA0395]
- Prosaukia(?) sp.*: Kobayashi, 1935c [PA1202]
- Prosaukia ulrichi*: Kobayashi, 1933c [PA0394]
- Prosopiscus(?) subquadratus*: Kobayashi, 1940b [PA1818]
- Protolenus coreanicus*: Saito, 1933 [PA0427-0431], Saito, 1934 [PA0481,0482]
- Protopliomerops granulatus*: Kobayashi, 1934c [PA0893,0894]
- Protopliomerops longispinus*: Kobayashi, 1955a [PA2122]
- Protopliomerops punctatus*: Kobayashi, 1934c [PA0891,0892], Kobayashi, 1960a [PA2410,2411]
- Protopliomerops punctulifera*: Kobayashi, 1937c [PA1610,1611]
- Protopliomerops radiatus*: Kobayashi, 1955a [PA2120,2121]
- Protopliomerops seisonensis*: Kobayashi, 1934c [PA0823b,0888,0889,0890a]
- Protopliomerops cfr. seisonensis*: Kobayashi, 1934c [PA0890b]
- Protopliomerops subquadratus*: Kobayashi, 1955a [PA2118,2119]
- Protopresbynileus(?) aff. willdeni*: Kobayashi, 1955a [PA2191-2193]
- Psilaspis (Entorachis) shantungensis*: Kobayashi, 1955b [PA2100a,2100b, 2101,2102]
- Psilaspis manchuriensis*: Kobayashi, 1935c [PA4177-4179]
- Pseudagnostus chinensis*: Kobayashi, 1937b [PA1535,1536]
- Pseudagnostus cyclopygeformis*: Kobayashi, 1933c [PA0343,0344,0345a], Kobayashi, 1935c [PA0975-0977], Kobayashi, 1960b [PA2434,2435]
- Pseudagnostus douvillei*: Kobayashi, 1935c [PA0967,0968a]
- Pseudagnostus jeholensis*: Kobayashi, 1951b [PA2008,2009]
- Pseudagnostus latus*: Kobayashi, 1938c [PA1722-1725]
- Pseudagnostus marginisulcatus*: Kobayashi, 1962 [PA4019,4020]
- Pseudagnostus primus*: Kobayashi, 1935c [PA0962-0966], Kobayashi, 1961b [PA2503a,2503b], Kobayashi, 1962 [PA4011-4018]
- Pseudagnostus orientalis*: Kobayashi, 1933c [PA0346,0347], Kobayashi, 1935c [PA0969-0974]
- Pseudagnostus (Plethagnostus) clarki*: Kobayashi, 1935d [PA1302,1303]
- Pseudagnostus (Rhoptagnostus?) semiovalis*: Kobayashi, 1937c [PA1595,1596]
- Pseudagnostus a sp.*: Kobayashi, 1935d [PA1334]
- Pseudagnostus b sp.*: Kobayashi, 1935d [PA1335]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Pseudobasilicus(?) liquensis*: Kobayashi, 1937c [PA1683]  
*Pseudokainella* a sp.: Kobayashi, 1953 [PA2079]  
*Pseudokainella(?)* b sp.: Kobayashi, 1953 [PA2080,2081]  
*Pseudokainella iwayai*: Kobayashi, 1953 [PA2076-2078]  
*Pseudokainella(?)* sp. nov.: Kobayashi, 1960a [PA2387]  
*Pseudoliostracina blautoeides*: Kobayashi, 1938d [PA1801]  
*Pseudolisania breviloba*: Kobayashi, 1935c [PA4184]  
*Pseudosaukia suni*: Kobayashi, 1951b [PA2013-2016]  
*Pterocephalia brevifrons*: Kobayashi, 1938c [PA1742]  
*Pterocephalia sanctisaboe*: Kobayashi, 1936c [PA1359-1361]  
*Ptychaspis angulata*: Kobayashi, 1931a [PA0161]  
*Ptychaspis bella*: Kobayashi, 1931a [PA0152]  
*Ptychaspis chinensis*: Kobayashi, 1931a [PA0155-0160]  
*Ptychaspis suni*: Kobayashi, 1931a [PA0153,0154a]  
*Ptychaspis walcotti*: Kobayashi, 1931a [PA0162,0163]  
*Ptychoparia bipuncta*: Kobayashi, 1962 [PA3989b,4050-4053]  
*Ptychoparia(?) coreanica*: Kobayashi, 1935c [PA1094,1095]  
*"Ptychoparia"* aff. *impar*: Kobayashi, 1961b [PA3957,3958]  
*Ptychoparia kochibei*: Kobayashi, 1935c [PA1093], Kobayashi, 1962 [PA4047a, 4047b,4048a,4048b]  
*Ptychoparia orientalis*: Kobayashi, 1962 [PA4049]  
*"Ptychoparia"* sp.: Kobayashi, 1937c [PA1641]  
*"Ptychoparia"* a sp.: Kobayashi, 1961b [PA3959]  
*"Ptychoparia"* b sp.: Kobayashi, 1961b [PA3960a,3961a]  
*Ptychoparia talingensis*: Kobayashi, 1937b [PA1530]  
*Ptychopleura brevifrons*: Kobayashi, 1936a [PA1421,1422]  
*Ptychopyge neichiensis*: Kobayashi, 1951c [PA2036]  
*Ptychopyge orientalis*: Kobayashi, 1951c [PA2035]  
*Ptychopyge(?)* sp. aff. *Ptychopyge thebawi*: Kobayashi, 1934b [PA0778]  
*Quadraticephalus calchas*: Kobayashi, 1933c [PA0388-0390]  
*Quadraticephalus coreanicus*: Kobayashi, 1960b [PA2483-2488]  
*Quadraticephalus elongatus*: Kobayashi, 1935c [PA1230,1231]  
*Quadraticephalus manchuricus*: Kobayashi, 1933c [PA0384-0387], Kobayashi, 1935c [PA1223-1228], Kobayashi, 1960b [PA2490]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Quadraticephalus pyrus*: Kobayashi, 1933c [PA0392]  
*Quadraticephalus quadratus*: Kobayashi, 1935c [PA1229], Kobayashi, 1960b [PA2489]  
*Quadraticephalus teres*: Kobayashi, 1933c [PA0393], Kobayashi, 1935c [PA1218-1222]  
*Quadraticephalus walcotti*: Kobayashi, 1933c [PA0391]  
*Redlichia chinensis*: Saito, 1934 [PA0459-0467], Kobayashi and Kato, 1951 [PA2048], Kobayashi, 1961b [PA2504-2507]  
*Redlichia coreanica*: Saito, 1934 [PA0469-0472], Kobayashi, 1961b [PA0470]  
*Redlichia* cfr. *cyindrica*: Kobayashi, 1961b [PA2526]  
*Redlichia longispinosa*: Kobayashi, 1935c [PA0979-0981]  
*Redlichia manchuriensis*: Kobayashi, 1935c [PA4187,4188]  
*Redlichia mansuyi*: Kobayashi, 1944a [PA1976-1978]  
*Redlichia murakamii*: Kobayashi, 1935c [PA4185]  
*Redlichia nakamurai*: Saito, 1934 [PA0473-0475], Kobayashi, 1961b [PA0473]  
*Redlichia nobilis*: Saito, 1934 [PA0468], Kobayashi, 1961b [PA2508-2524]  
*Redlichia saitoi*: Kobayashi, 1961b [PA2525]  
*Redlichia* sp.: Kobayashi, 1935c [PA4186]  
*Redlichia* sp.: Saito, 1934 [PA0479]  
*Redlichia?* sp.: Kobayashi, 1936a [PA1401]  
*Redlichia(?)* sp.: Kobayashi, 1944b [PA1989]  
*Redlichia verneui*: Kobayashi, 1944b [PA1982,1983]  
*Redlichia* cf. *walcotti*: Saito, 1934 [PA0476-0478]  
*Reedolithus richthofeni*: Kobayashi, 1951c [PA2043]  
*Rhamphopyge altipolum*: Kobayashi, 1955a [PA2241]  
*Rhodonaspis(?) similis*: Kobayashi, 1962 [PA4073]  
*Richardsonella eurekensis*: Kobayashi, 1935d [PA1329]  
*Saimachia damesi*: Kobayashi, 1937b [PA1523]  
*Saukia aojii*: Kobayashi, 1933c [PA0396]  
*Saukia(?) paiensis*: Kobayashi, 1933c [PA0397]  
*Saukia* sp.: Kobayashi, 1935c [PA1121b]  
*Saukid-pygidium*, gen. and sp. undt.: Kobayashi, 1951b [PA2017]  
*Saukiella* sp.: Kobayashi, 1960b [PA2491]  
*Saukiella tarutaensis*: Kobayashi, 1957d [PA2298g]  
*Schmidtaspis sibiricus*: Kobayashi, 1943c [PA1928]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Scutellum (Thysanopeltella) paucispinosum*: Kobayashi, 1957e [PA8001]  
*Seisonia sphaericauda*: Kobayashi, 1934c [PA0897-0899]  
*Shirakiella elongata*: Kobayashi, 1935c [PA1232-1238], Kobayashi, 1960b [PA2476]  
*Shirakiella laticconvexa*: Kobayashi, 1935c [PA1239-1242]  
*Shirakiella(?) sp.*: Kobayashi, 1960b [PA2477]  
*Shumardia erquensis*: Kobayashi, 1937c [PA1638-1640]  
*Shumardia pellizzarii*: Kobayashi, 1934c [PA0823a], Kobayashi, 1960a [PA2369-2371]  
*Shumardia sp.*: Kobayashi, 1955a [PA2239]  
*Sinolenus trapezoidalis*: Kobayashi, 1944a [PA1979]  
*Solenoparia agno*: Kobayashi, 1935c [PA1137,1138]  
*Solenoparia beroe*: Kobayashi, 1935c [PA1139]  
*Solenoparia(?) bisulcata*: Kobayashi, 1961b [PA3962]  
*Solenoparia brevifrons*: Kobayashi, 1943c [PA1949]  
*Solenoparia(?) deprati*: Kobayashi, 1935c [PA1140-1143]  
*Solenoparia laevis*: Kobayashi, 1960b [PA2472,2474,2475]  
*Solenoparia megalops*: Kobayashi, 1943c [PA1945-1948]  
*Solenoparia(?) sp.*: Kobayashi, 1935c [PA1144]  
*Solenoparia subtoxea*: Kobayashi, 1962 [PA4083]  
*Solenopleura australis*: Kobayashi, 1935c [PA1135,1136]  
*Solenopleura endoi*: Kobayashi, 1931a [PA0145]  
*Solenopleura kotoi*: Kobayashi, 1933c [PA0355,0356]  
*Solenopleura sp.*: Kobayashi, 1933c [PA0357,0358]  
*Sphaerophthalmella inexpectans*: Kobayashi, 1955a [PA2217,2218]  
*Stenopilus convexus*: Kobayashi, 1933a [PA0283]  
*Stephanocare bergeroni*: Kobayashi, 1935c [PA1017]  
*Stephanocare(?) bergeroni*: Kobayashi, 1955b [PA2095]  
*Stephanocare(?) quinquespina*: Kobayashi, 1935c [PA1016]  
*Stephanocare richthofeni*: Kobayashi, 1931a [PA0140], Kobayashi, 1935c [PA1013-1015], Kobayashi, 1941b [PA1840]  
*Stephanocare? sinensis*: Kobayashi, 1931a [PA0141]  
*Symphysurina a sp.*: Kobayashi, 1955a [PA2149,2150]  
*Symphysurina b sp.*: Kobayashi, 1955a [PA2151-2153]  
*Symphysurina spicata*: Kobayashi, 1936a [PA1413]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Symphysurina* aff. *S. woosteri*: Kobayashi, 1936a [PA1409-1412]  
*Symphysurina* (*Symphysurina*) cfr. *corlissensis*: Kobayashi, 1955a [PA2139]  
*Symphysurina* (*Symphysurina*) *spicata*: Kobayashi, 1955a [PA2136,2137]  
*Symphysurina* (*Symphysurina*) *spicata* var. *eugenia*: Kobayashi, 1955a [PA2138]  
*Symphysurina* (*Symphysuroides*) cfr. *brevispicata*: Kobayashi, 1955a [PA2145-2148]  
*Symphysurina* (*Synphysuroides*) *elegans*: Kobayashi, 1955a [PA2140-2142]  
*Synphysurina* (*Synphysuroides*) *expansa*: Kobayashi, 1955a [PA2143,2144]  
*Synhomalonotus kayseri*: Kobayashi, 1951c [PA2041]  
*Taenicephalus longifrons*: Kobayashi, 1938c [PA1763-1765]  
*Taenicephalus megalops*: Kobayashi, 1938c [PA1758-1762]  
*Taihungshania brevica*: Kobayashi, 1951c [PA2020-2025]  
*Taihungshania florentinensis*: Kobayashi, 1936c [PA1368,1369]  
*Taihungshania hectori*: Kobayashi, 1940d [PA1832-1835]  
*Taipaikia glabra*: Kobayashi, 1960b [PA2453b,2481,2482]  
*Taitzuia insueta*: Kobayashi, 1935c [PA4180]  
*Tasmanaspis lewisi*: Kobayashi, 1940a [PA1810a,1810b]  
*Tasmanaspis longus*: Kobayashi, 1940a [PA1811]  
*Tasmanocephalus stephensi*: Kobayashi, 1940b [PA1814-1817]  
*Tasmanocephalus stephensis*: Kobayashi, 1936c [PA1370-1373]  
*Tatonaspis alaskensis*: Kobayashi, 1935d [PA1308]  
*Teinistion lansi*: Kobayashi, 1941d [PA1846c]  
*Teinistion magna*: Kobayashi, 1955b [PA2094]  
*Teinistion typicalis*: Kobayashi, 1931a [PA0144]  
*Telephus pacificus*: Kobayashi, 1955a [PA2124,2125]  
*Tellerina coreanica*: Kobayashi, 1935c [PA1209-1212]  
*Tellerina(?) obsoleta*: Kobayashi, 1935c [PA1213,1214]  
*Tellerina paichiaensis*: Kobayashi, 1933c [PA0398]  
*Temnura granosa*: Kobayashi, 1935c [PA4181]  
*Tesselacauda flabella*: Kobayashi, 1955a [PA2123]  
*Thaiaspis sethaputi*: Kobayashi, 1961a [PA3981-3983]  
*Thailandium solum*: Kobayashi, 1957d [PA2299b,2299c]  
? *Thailandium solum*: Kobayashi, 1957d [PA2296b,2297a]  
*Thysanopeltis paucispinosa*: Ohubo, 1951 [PA8001]  
*Thysanopyge argentina*: Kobayashi, 1937c [PA1678,1679]

# ARTHROPODA

## Paleozoic Trilobita (continued)

- Tingocephalus concavolimbatus*: Kobayashi, 1962 [PA4028]  
*Tingocephalus magnus*: Kobayashi, 1960b [PA2456]  
*Tollaspis* cfr. *pawlowskii*: Kobayashi, 1943c [PA1940-1942]  
*Tonkinella breviceps*: Kobayashi, 1934d [PA1271-1275], Kobayashi, 1935c [PA0990-0992]  
*Tonkinella kobayashii*: Kobayashi, 1962 [PA4025,4026]  
*Tonkinella orientalis*: Kobayashi, 1935c [PA0993]  
*Tonkinella stephensis*: Kobayashi, 1935c [PA0986-0989]  
*Tostonia iole*: Kobayashi, 1936b [PA1700-1702]  
*Triarthropsis princetonensis*: Kobayashi, 1935d [PA1332]  
*Trinodus priscus*: Kobayashi, 1955a [PA2248]  
*Trinodus tardiformis*: Kobayashi, 1955a [PA2249]  
*Trinucleus boliviensis*: Kobayashi, 1937c [PA1656]  
*Trinucleus krugeri*: Kobayashi, 1937c [PA1657a,1657b]  
*Tsinania canens*: Kobayashi, 1931a [PA0168-0170], Kobayashi, 1933c [PA0399, 0400], Kobayashi, 1935c [PA1184-1186], Kobayashi, 1952 [PA2060-2067], Kobayashi, 1961b [PA3980]  
*Tsinania canens* var. *pagoda*: Kobayashi, 1931a [PA0171]  
*Tsinania ceres*: Kobayashi, 1933c [PA0401,0402]  
*Tsinania* cf. *dictys*: Kobayashi, 1931a [PA0172]  
*Tsinania humilis*: Kobayashi, 1952 [PA2068-2070]  
*Tsinania(?) humilis*: Kobayashi, 1933c [PA0404]  
*Tsinania longa*: Kobayashi, 1933c [PA0403]  
*Vermilionites bisulcatus*: Kobayashi, 1955a [PA2203]  
*"Westergaardella" coreanica*: Kobayashi, 1962 [PA4091]  
*Wilbernia(?) hunterensis*: Kobayashi, 1938c [PA1780]  
*Wuhuia belus*: Kobayashi, 1933c [PA0416]  
*Wutingaspis conditus*: Kobayashi, 1944b [PA1987]  
*Wutingaspis tingi*: Kobayashi, 1944b [PA1985,1986]  
*Wutingia rectangulosa*: Kobayashi, 1956b [PA2264-2268]  
*Xenostegium albertensis*: Kobayashi, 1934c [PA0861]  
*Xenostegium(?)* sp. aff. *X. albertensis*: Kobayashi, 1934c [PA0862]  
*Xenostegium brackebuschi*: Kobayashi, 1937c [PA1676]  
*Xenostegium(?) laticaudum*: Kobayashi, Kobayashi, 1934c [PA0863-0865]  
*Xenostegium(?) paradouglasensis*: Kobayashi, 1934c [PA0868]

## ARTHROPODA

### Paleozoic Trilobita (continued)

- Xenostegium saltensis*: Kobayashi, 1937c [PA1677]  
*Xenostegium(?) subeuclides*: Kobayashi, 1934c [PA0866,0867]  
*Yabeia laevigata*: Kobayashi, 1935c [PA4182,4183]  
*Yabeia* sp.: Kobayashi, 1961b [PA3973,3974]  
*Yokusenia obsoleta*: Kobayashi, 1935c [PA1132]  
*Yokusenia vulgaris*: Kobayashi, 1935c [PA1127-1131]  
*Yongwolia kagasi*: Kobayashi, 1962 [PA4076]  
*Yongwolia ovata*: Kobayashi, 1962 [PA4075]  
*Yorkella australis*: Kobayashi, 1942f [PA1884,1885]  
*Yosimuraspis vulgaris*: Kobayashi, 1960a [PA2376a,2376b,2377,2378a,2378b,2379a,2379b,2380-2384]  
*Yosimuraspis vulgaris longulum*: Kobayashi, 1960a [PA2385,2386]  
*Yukonaspis kindlei*: Kobayashi, 1936a [PA1414-1416]  
*Yunnanoccephalus yaoyingensis*: Kobayashi, 1944b [PA1988]  
Gen. et sp. indet.: Kobayashi, 1935c [PA1243], Kobayashi, 1937b [PA1537], Kobayashi, 1937c [PA1686,1687], Kobayashi, 1938c [PA1788], Kobayashi, 1940b [PA1831], Kobayashi, 1940d [PA1836], Kobayashi, 1942b [PA1862c], Kobayashi, 1943c [PA1967,1968], Kobayashi, 1955a [PA2250,2254], Kobayashi, 1960b [PA2416], Kobayashi, 1961b [PA3979], Kobayashi, 1962 [PA4162-4165], Kobayashi and Igo, 1956 [PA2278]

### PALEOZOIC CRUSTACEA

- Aluta obsoleta*: Saito, 1934 [PA0509,0510]  
*Alutella nakamurai*: Kobayashi and Kato, 1951 [PA2047]  
*Anatifopsis cocaban*: Kobayashi, 1960a [PA2365d,2418-2421]  
*Anatifopsis truncatum*: Kobayashi, 1960a [PA2422]  
*Bradoria subacuminata*: Saito, 1934 [PA0508]  
*Coreocaris eishunensis*: Kobayashi, 1937a [PA1506-1508]  
*"Leperditia" japonica*: Hamada, 1959b [PA7279]  
*Stenotheca(?) manchurica*: Kobayashi, 1933a [PA0249] (This may actually belong to the Rostroconchia.)  
*Tolmachovia concentrica*: Howell and Kobayashi, 1936 [PA1390-1392] (This may actually belong to the Rostroconchia.)

### MESOZOIC CRUSTACEA

- Asmussia symmetrica*: Kobayashi, 1975 [MA9150]

# ARTHROPODA

## Mesozoic Crustacea (continued)

- Asmusiid(?) gen. et sp. indt.: Kobayashi, 1973a [MA9144g]
- Candona gigantea*: Hanai, 1951 [MA8518]
- Candona liaoningensis*: Hanai, 1951 [MA8508,8512]
- Candona takagii*: Hanai, 1951 [MA8517]
- Cyclestherioides bunopasi*: Kobayashi, 1975 [MA9148b]
- Cypridea (Cypridea) metacyproides*: Hanai, 1951 [MA8513,8514]
- Cypridea (Cypridea) subvaldensis*: Hanai, 1951 [MA8501,8502,8525]
- Cypridea (Cypridea) sungariana*: Hanai, 1951 [MA8509,8510]
- Cypridea (Cypridea) sungariana* var. *anodosa*: Hanai, 1951 [MA8511,8519]
- Cypridea (Cypridea) tuberculatiformis*: Hanai, 1951 [MA8515,8516]
- Cypridopsis parallela*: Hanai, 1951 [MA8521,8522]
- "*Cypris*" *subtriangularis*: Hanai, 1951 [MA8503,8504]
- Estheria* aff. *amurensis*: Kobayashi and Huzita, 1942 [MA4715]
- "*Estheria*" *mitsuishii*: Kobayashi and Huzita, 1942 [MA4703-4711]
- Estheria* cfr. *nengkiangensis*: Kobayashi and Huzita, 1942 [MA4714]
- Estheria septentrionalis*: Kobayashi and Huzita, 1942 [MA4712,4713]
- Estherites asanoi*: Kobayashi and Kusumi, 1953b [MA4772d,4772e]
- Estherites cycloides*: Kobayashi, 1951a [MA4741,4742]
- Estherites endoi*: Kobayashi and Kido, 1947b [MA4736-4739]
- Estherites halobiformis*: Kobayashi and Kusumi, 1953b [MA4772c,4774]
- Estherites kantoensis*: Kobayashi and Kido, 1947b [MA4732-4735]
- Estherites kawasakii*: Kobayashi, 1951a [MA4740c]
- Estherites khinganensis*: Kobayashi, 1951a [MA4743]
- Estherites koreanica*: Kobayashi, 1951a [MA4740a]
- Estherites kyōngsangensis*: Kobayashi and Kido, 1947a [MA4716-4722]
- Estherites kyōngsangensis* var. *huzitai*: Kobayashi and Kido, 1947a [MA4723]
- Estherites kyōngsangensis* var. *medialis*: Kobayashi and Kido, 1947a [MA4724-4726]
- Estherites kyōngsangensis* var. *paucilineata*: Kobayashi and Kido, 1947a [MA4727-4730]
- Estherites* aff. *kyōngsangensis* var. *paucilineata*: Kobayashi and Kido, 1947a [MA4722k]
- Estherites middendorffii*: Kobayashi and Kusumi, 1953a [MA4753]
- Estherites middendorffii* var. *chii*: Kobayashi and Kusumi, 1953a [MA4762-4764,4771]



# ARTHROPODA

## Mesozoic Crustacea (continued)

- Estherites middendorffii* var. *elongata*: Kobayashi and Kusumi, 1953a [MA 4757-4760]
- Estherites middendorffii* forma *intermedia*: Kobayashi and Kusumi, 1953a [MA4766-4769]
- Estherites middendorffii* var. *jeholensis*: Kobayashi and Kusumi, 1953a [MA 4754-4756]
- Estherites middendorffii* forma *peipiaoensis*: Kobayashi and Kusumi, 1953a [MA4765]
- Estherites middendorffii* forma *subelongata*: Kobayashi and Kusumi, 1953a [MA4761]
- Estherites middendorffii* forma *takechenensis*: Kobayashi and Kusumi, 1953a [MA4770]
- Estherites naktongensis*: Kobayashi and Kido, 1947a [MA4731]
- Estherites nenkiagensis* var. *kutsangkouensis*: Kobayashi and Kusumi, 1953b [MA4772h,4772i,4772j,4775]
- Estherites proamurensis*: Kobayashi and Kusumi, 1953b [MA4772f,4772g]
- Estherites proamurensis* var. *latus*: Kobayashi and Kusumi, 1953b [MA4773b]
- Estherites rampoensis*: Kobayashi, 1951a [MA4740b]
- Estherites* sp. aff. *E. rampoensis*: Kobayashi, 1951a [MA4750]
- Estherites* sp. aff. *E. reticulata*: Kobayashi, 1951a [MA4744c]
- Estherites saitoi*: Kobayashi and Kusumi, 1953b [MA4773a]
- Estherites shimamurai*: Kobayashi, 1951a [MA4746a,4746b,4747-4749]
- Estherites tanii*: Kobayashi, 1951a [MA4744a,4745]
- Estherites tatientzuensis*: Tani, 1943 [MA3948a,3948b]
- Estherites* cfr. *transbaikalica*: Kobayashi, 1951a [MA4744b]
- Estherites tunghuensis*: Kobayashi and Kusumi, 1953b [MA4772a,4772b]
- Eucorystes japonicus*: Jimbo, 1894 [MA7483]
- Eucypris manchurica*: Hanai, 1951 [MA8507]
- Euestheria buravasi*: Kobayashi, 1975 [MA9146,9147]
- Euestheria mansuyi*: Kobayashi, 1973b [MA9145a], Kobayashi, 1975 [MA9145a]
- Euestheria thailandica*: Kobayashi, 1975 [MA9145b]
- Gomphocythere? tiehlensis*: Hanai, 1951 [MA8520]
- Khoratestheria macroumbo*: Kobayashi, 1975 [PA9148a]
- Lioestheria* sp.: Kobayashi, 1973a [MA9144f]
- Lioestheriid*(?) gen. et sp. indt.: Kobayashi, 1973a [MA9144e]
- Metarhabdosticha*(?) sp.: Kobayashi, 1975 [MA9149]
- Notopocorytes (Eucorystes) japonicus*: Matsumoto, 1963 [MA7483]

ARTHROPODA - ECHINODERMATA - WORMS AND PROBLEMATICA

Mesozoic Crustacea (continued)

*Paracypretta? petila*: Hanai, 1951 [MA8523,8524]

*Potamocypris? itunghensis*: Hanai, 1951 [MA8505]

*Pseudocyclograpta hashimotoi*: Kobayashi, 1973a [MA9144a,9144b,9144c,9144d]

ECHINODERMATA

PALEOZOIC CYSTOIDEA

Cystoid, gen. et sp. undt.: Kobayashi, 1935c [PE0902-0904]

Cystoid, gen. et sp. indt.: Kobayashi, 1937c [PE1538,1539]

Cystoid, gen. et sp. indt.: Kobayashi, 1960a [PE2423]

Cystoid(?) stem: Kobayashi, 1934c [PE0788-0791]

Stems of cystoids: Kobayashi, 1934c [PE0786,0787]

*Plumulites chikunensis*: Kobayashi, 1934b [PE0513]

*Plumulites primus*: Kobayashi, 1934c [PE0792]

*Plumulites* cfr. *primus*: Kobayashi, 1960a [PE2415b]

*Plumulites* sp. nov.: Kobayashi, 1960a [PE2399b,2424]

MESOZOIC CRINOIDEA

*Pentacrinus* sp.: Hayami, 1961c [ME4837]

*Pseudosaccocoma japonica*: Kobayashi, 1935e [ME7031]

MESOZOIC ECHINOIDEA

*Ananchytinarum* sp.: Jimbo, 1894 [ME7482]

*Cidaris* (s. l.) sp.: Kobayashi and Ichikawa, 1952b [ME5407]

*Niponaster hokkaidoensis*: Matsumoto, 1963 [ME7482]

*Pygurus asiaticus*: Tokunaga, 1903 [ME7448,7449]

WORMS AND PROBLEMATICA

PALEOZOIC WORMS AND PROBLEMATICA

*Coprolites*(?): Kobayashi, 1960a [PW2425,2426]

*Cruziana* cfr. *furcifera*: Kobayashi, 1937c [PW1689,1690]

*Cruziana* sp.: Kobayashi, 1937c [PW1691]

*Notaculites toyomensis*: Kobayashi, 1945 [PW1994]

*Serpulites ruedemanni*: Kobayashi, 1934c [PW0793,0794]

## HEMICHORDATA - VERTEBRATA

### HEMICHORDATA

#### PALEOZOIC GRAPTOLITHINA

*Clonograptus(?)* sp.: Kobayashi and Kimura, 1942 [PH1858]

*Dicellograptus* or *Dicranograptus* sp.: Kobayashi, 1934b [PH0512]

*Dictyonema* cfr. *flabelliforme*: Kobayashi and Kimura, 1942 [PH1857]

*Diplograptus* (*Amplexograptus*) *perexcavatus*: Kobayashi, 1934b [PH0511]

### VERTEBRATA

#### PALEOZOIC VERTEBRATA

*Helicoprion Bessonowi*: Yabe, 1903a [PV7477]

#### MESOZOIC VERTEBRATA

*Asiatolepis muroii*: Takai, 1944 [MV6180]

*Leptolepis longicephalus*: Takai, 1942 [MV6151]

*Lycoptera chosenensis*: Makiyama, 1927 [MV4210]

*Lycoptera davidi*: Takai, 1944 [MV4210,6152-6175]

*Lycoptera ferox*: Takai, 1944 [MV6177,6178]

*Lycoptera kansuensis*: Takai, 1944 [MV6179]

*Manchurichthys uwatokoi*: Takai, 1944 [MV6176]

*Sungarichthys longicephalus*: Takai, 1944 [MV6151]