TYPE SPECIMENS OF MATSUMURA'S SPECIES OF CERCOPOIDAE IN THE HOKKAIDO UNIVERSITY INSECT COLLECTION, JAPAN (HOMOPTERA: AUCHENORRHYNCHA)

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Abstract


Original label data associated with all extant known types of the cercopoid species named by Shonen Matsumura in the Hokkaido University Insect Collection are enumerated with exact label data. Thirty-nine lectotypes are newly designated.

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INTRODUCTION

Shonen Matsumura (1872–1960) has been regarded as the founder of the entomology of Japan. He described a large number of new taxa in almost all orders of insects, mainly from the East Asian region. The specimens used by Matsumura (the Matsumura Collection) has been preserved in the Laboratory of Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo, Japan. Since the species descriptions by Matsumura are no longer adequate for present-day species recognition, an investigation of type material is usually an essential part of all revisionary works. However, such a study has been often handicapped by lack of information on the whereabouts of the type material in question. The present study was undertaken to document the types of Matsumura’s cercopoid species preserved in the Matsumura Collection, Hokkaido University.

In the cabinet the Matsumura’s types of Cercopoidea have been arranged together with additional specimens obtained after the publication of descriptions. A major problem in studying the Matsumura’s types was the identification of genuine syntypes. It is necessary to compare the locality and date of all specimens of his species with the information given in the original publication. Matsumura’s descriptions often lack information of the number of specimens examined; in such cases all specimens that match the publication data are treated as syntypes. Furthermore, he made some mistakes in reproducing the label data and the sex of type.

Through our investigations on the Matsumura Collection during several years, we have found most of the original specimens used by S. Matsumura. However, the type-series of the following Matsumura’s species have not been found up to the present: formosana, 1940a: 48 (Nagaclovia); kandai, 1940a: 57 (Todophora); kuccharonis, 1942b: 73 (Sabplwra); nigricans, 1904: 43 (Aphroplwra); nigripectus, 1903: 51 (Ptyelus); nigritus, 1911: 19 (Ptyelus); okinawana, 1936: 82 (Aphrophora); shirakii, 1942a: 61 (Miphora); sungariana, 1942a: 65 (Obiphora); totsozana, 1942b: 99 (Yezophora).

The list of types is arranged in alphabetical sequences by specific epithet. Each name is followed by the author, date, and page reference. The genus name of each species is shown in parentheses ( ) following the publication data; original generic name / subsequent name if changed.

Lectotype designations are made where appropriate. Since the structure of male genitalia is the most useful diagnostic character also in most cases of cercopoid taxonomy, a male specimen is selected as the lectotype when syntypes of both sexes are present. The data of types are exactly reproduced as given on each label, indicating the sequence of labels on the pin. Data on separate labels are indicated by a double slash //. The description on label in Japanese is presented in brackets [ ]. The handwriting identification is enclosed by double quotation marks " " . Supplements to the original data are given in parentheses ( ). Some remarks or comments on the type material are also given when necessary and where appropriate.

FAMILY CERCOPIDAE

apicalis Matsumura, 1903: 19 (Rhinaulax)
Lectotype ♂ , here designated – [Ibuki], 7/18, Gifu, 163 // Japan Matsumura // det. Dr. Matsumura, "Rhinaulax apicalis M." // Type Matsumura.
arisana Matsumura, 1940a: 67 (Kanozata)
   Lectotype ♂️, here designated – [(Mt.) Arisan], 11.VII.29, [(T.) Kano], "Kanozata arisana Mats.".

bimaculatus Matsumura, 1907: 106 (Rhinaulax / Stenaulophrys)
   Holotype ♂️ – [Hoppo], 8/7, Formosa Matsumura // Type Matsumura // "Rhinaulax bimaculatus n. sp."

elongatus Matsumura, 1940a: 70 (Eoscartoides)
   Holotype ♂️ – Formosa Matsumura // "Eoscarta elongatus Mats." // Type Matsumura // "E. elongatus"

formosana Matsumura, 1907: 105 (Cosmoscarta)
   Lectotype ♂️, here designated – Taichu, 25/7.
   Paralectotypes 3 ♂️ – Shoka, 20/7.
   Paralectotype 1 ♀️ – Shoka, 24/7.

horishana Matsumura, 1940a: 69 (Horiscarta / Stenaulophrys)
   Holotype ♂️ – [Horisha], 30/4 07 // Type Matsumura // "E. horishana" // "Rhinaulax horishana Mats." // "Kuscarta horishana Mats.”.

kanoniella Matsumura, 1940a: 66 (Kanoscarta)
   Lectotype ♂️, here designated – [Piyanan], 11.VII.26, [(T.) Kano] // Type S. Matsumura // "C. kanoniella Mats.".
   Paralectotype 1 ♂️ – same data as lectotype // Paratype S. Matsumura // det. Matsumura, "Kanoscarta kanoniella Mats."

koshunella Matsumura, 1940a: 68 (Kuscarta)
   Holotype ♂️ (abdomen lost) – [Kusukusu-Shijukei], 20-21/VI 1928 // Formosa Matsumura // Type S. Matsumura // "Kuscarta koshunella"

kotoshonis Matsumura, 1938: 150 (Eoscarta)
   This species was described on the basis of 3 syntypes (2♂️ 1♀️ ), but only a female is stored in the Matsumura Collection.

rubripennis Matsumura, 1940a: 73 (Tadascarta)

rubroscutellata Matsumura, 1907: 105 (Cosmoscarta)
   Holotype ♂️ – Koshun, 8/VII 1906 // det. Matsumura, "rubroscutellata Mats." // Type Matsumura // "Marascara rubroscutellata Mats.”.

siniphila Matsumura, 1942a: 49 (Cosmoscarta)
   Holotype ♂️ – Kwa-tung, Fukien // 8876 // "Cosmoscarta siniphila M.”.
UCHIDAe Matsumura, 1905: 30 (Okiscarta)

UCHIDAI Matsumura, 1940a: 42 (Baibarana)
Lectotype ♂ , here designated – Baibara, 23/VII '25, Formosa, T. Uchida // Type Matsumura // "Baibarana uchidai Mats." // "Takepytelus uchidai Mats.".

WUNINGIANA Matsumura, 1942a: 45 (Abidama)
Holotype ♂ – Wuning, Kaingsi (= Kiangsi), 8/12 '36 // Type Matsumura // "Abidama wuningiana M.".

YUNNANENSI Matsumura, 1942b: 71 (Phymatostetha)
Matsumura applied the genus name as Phymatostethus; this is his typographical error for Phymatostetha.

ZONALIS Matsumura, 1907: 106 (Rhinaulax / Eoscarta)
Lectotype ♂ , here designated – Koshun, 7/3 1906 // Type Matsumura // "Rhinaulax zonalis n. sp.".
Paralecotypes 3 ♂ 2 ♀ – same data as lectotype.
The following specimen is considered to be out of the type-series based on the label data: 1 ex. – [(Mt.) Arisan], 11.VII.27, [(T.) Kano] // Paratype S. Matsumura // "Eoscarta zonalis Mats.".

FAMILY MACHAEROTIDAE

TAHEISANA Matsumura, 1940a: 40 (Asichaerota (sic) / Eumachaerota)
Holotype ♂ – [Taiheizan], 6.VII.26, [(T.) Kano] // "Asichaerota (sic) taiheisana Mats.".

FAMILY APHROPHORIDAE

ABIEI Matsumura, 1904: 37 (Aphrophora / Todophora)

ABIEI Matsumura, 1904: 50 (Pytelus / Aphilaenus)
Lectotype ♂ , here designated – Ziozan (= Jozankei), 9/X.
Paralecotypes 3 ♂ 1 ♀ 1 ex. (abdomen lost) – same data as lectotype.
Paralecotypes 2 ♀ – [Jozankei], 8/28,
Paralecotypes 1 ♂ 1 ex. (abdomen lost), – [Jozankei], [early August], [(Y.) Niijima].
A male specimen with a redtype label can not be designated as the lectotype, according to the label data; 1♂, [Jozan] (= Jozankei), 28/VIII 1913, Sapporo Matsumura, Type S. Matsumura, "Ph. abieti M."

ARISANA 1940a: 63 (Aphrophora / Formophora)
Lectotype ♂ , here designated – [(Mt.) Arisan], 17.VII.28, [(T.) Kano] // Type // "Aphrophora
arisana M.

The following specimen is considered to be out of the type-series based on the date reference:

arisanella Matsumura, 1940a: 61 (Miphora)
Lectotype ♂, here designated – Arisan, 19.X.1925, S. Issiki
Paratypes ♂♀ – same data as lectotype // Allotype Matsumura // "Miphora arisanella M.".

arisanus Matsumura, 1940a: 43 (Philaenus)

arisanus Matsumura, 1940a: 45 (Mesoptylus)

arisanus Matsumura, 1942b: 91 (Toroptyelus)
Holotype ♂ – [(Mt.) Arisan], 18 V 07, [(T.) Kano] // Type Matsumura // "Toroptyelus arisanus" // KGAH-61 // KGAH det. '80, "Aphrophora forceps n. n.".

auropilosus Matsumura, 1907: 113 (Aphrophora / Ariptyelus)
Paratypes 1♂ – Koshun, 2/VII 1906.

bicolor Matsumura, 1907: 113 (Aphrophora / Boniphora)
Paratypes 2♀ – [Ogasawara], 20/VIII 1905, [(S.) Matsumura], [Futairo-awafuki] (Japanese name of this species).

binomoriensis Matsumura, 1934: 74 (Aphrophora)


bizona Matsumura, 1942b: 97 (Yezophora)
Holotype ♂ – Domonrei, prv. H... (indecipherable, but maybe ‘Harbin’), Manchouchuo, 11–8–
1940, S. Matsumura // Type Matsumura // "bizona M."

*bizonalis* Matsumura, 1907: 112 (*Aphrophora / Ogaphora*)
Lectotype ♂, here designated – Ogasawara, 20.VIII.1905, Matsumura // Type Matsumura // "Aphrophora bizonalis Mats.".
Paralecotypes 2 ♂ 5 ♀ 1 ex. (abdomen lost) – same data as lectotype.
Paralecotype 1 ♀ – Bonin Isl., 20.VIII '05, Matsumura.
Paralecotype 1 ♂ – Bonin Isl., 20 X '05, Matsumura // Type S. Matsumura // "bizonalis" // det. Matsumura, "Trigophora bizonalis".

*botelensis* Matsumura, 1938: 149 (*Aphrophora / Kotophora*)

*brevis* Matsumura, 1904: 35 (*Aphrophora / Takaphora*)
Holotype ♀ – [Takao], 7/18 // Dr. Matsumura det., "brevis" // Paratype S. Matsumura // "Takaphora brevis Mats.".

*centralis* Matsumura, 1940a: 51 (*Jembrana*).
Holotype ♂ – [(Mt.) Arisan], 11 VII 29, [(T.) Kano] // "Jembrana centralis Mats.".

*chuzenjiana* Matsumura, 1942b: 77 (*Sinophora*)
Paratype 1 ♀ – L. S. Chuzenji, Nikko, Japan, 24-VII-1939, M. Kubota // Paratype S. Matsumura // "chuzenjiana Mats.".

*compacta* Matsumura, 1904: 35 (*Aphrophora (sic) / Jophora*)
Holotype ♂ – [Jozankei], 8/28 // det. Dr. Matsumura, "Aphrophora compacta M." // Type S. Matsumura "compacta Mats." // Type Matsumura "Jophora" // "Jophora compacta Mats."

*coreanus* Matsumura, 1940a: 46 (*Mesoptyelus*)
Holotype ♀ – Corea, (H.) Okamoto // Type S. Matsumura // "Mesoptyelus coreanus Mats.".

*costalis* Matsumura, 1903: 35 (*Aphrophora / Omalophora*)
Holotype ♀ – [Mombetsu], [mid-July] 90 // Japan Dr. Matsumura.

*daitoensis* Matsumura, 1940a: 50 (*Jembrana*)
Holotype ♂ – [(Mt.) Toranzan, Daito], 11.VI.15 (33), [(T.) Kano] // Type S. Matsumura // "J. daitoensis Mats.".

*depressus* Matsumura, 1942a: 60 (*Maptyelus*)
Holotype ♂ – [Jozankei], 8/28, Sapporo, Matsumura (28 VIII 07) // Type Matsumura // "Maptyelus depressus Mats.".

*dimidiatus* Matsumura, 1904: 47 (*Peuceptyelus / Nikkopyelus*)

*domonsis* Matsumura, 1942b: 85 (*Tamaphora*)
Holotype ♂ – Domonrei, prv. H(arbin), Manchouchuo, 11-8-1940, S. Matsumura // Type
Matsumura // "domonsis M.".

**excavatus** Matsumura, 1940a: 54 (Jemhropsis / Egypytelus)
Holotype ♂ – [Numanohira], 13.VII.28, (T.) Kano // Type Matsumura // "Egypytelus excavatus Mats.".

**fallax** Matsumura, 1904: 36 (Aphrophora / Trigophora)
Holotype ♀ – [Jozan] (= Jozankei), 9/9, (T.) Oguma // "A. fallax Mats." // Type S. Matsumura // "fallax Mats.".

**flavomaculata** Matsumura, 1904: 39 (Aphrophora / Yezophora)
Paralecotype 1 ♀ – same locality and date as lectotype // Paralecotype Aphrophora flavomaculata Mats. designated by T. Komatsu, 1997.

**fukuokana** Matsumura, 1942b: 97 (Yezophora)
Holotype ♂ – Hirao, Fukuoka, 30-VIII-1934, S. Kira leg. // Type Matsumura // "fukuokana Mats." // "Europhora fukuokana".

**fuscus** Matsumura, 1903: 50 (Ptyelus / Philaenus)
Holotype ♀ – [Jozankei, (M.) Ishida] // Type S. Matsumura // "Ph. fuscus Mats.".

**galloisi** Matsumura, 1940a: 72 (Megafukia / Nikkofukia)
Holotype ♀ – Japon: Chuzenji, 4-9-1916, Edme Gallois // 2 // Type Matsumura // "Megafukia galloisi Mats.".

**glabrifrons** Matsumura, 1920: 52 (Ptyelus / Philaenus)
Lectotype ♀ , here designated – [Maiko], 10/21 (October 25 in the date reference), Japan Matsumura.
Paralecotype 1 ♀ – same data as lectotype (mounted on the same pin).

**guttatus** Matsumura, 1904: 51 (Ptyelus / Philaenus)
Holotype ♀ – Sapporo, XI.1903 // Type S. Matsumura // "Ph. guttatus M.".

**habonis** Matsumura, 1940a: 59 (Macrofukia)
Lectotype ♂ , here designated – Musha, VIII '18, Matsumura // Type, "habonis M.".
Paralecotype 1 ♀ – [Kyuhabon], 10.IX.28, Matsumura // "Macrofukia habonis M.".

**hakonensis** Matsumura, 1942b: 93 (Trigophora)
Holotype ♂ – [Hakone], 7/28 // Type Matsumura // "hakonensis Mats.".
Allotype ♀ – Hakone, 28.VII.09 (1907 in the date reference), Matsumura // Allotype Matsumura // "hakonensis Mats.".

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Paratype 1 ♂ – Hakone, 29.VII.09, Matsumura // Paratype Matsumura // "hakonensis".

hananoi Matsumura, 1942a: 50 (Euclovia)

harimaensis Matsumura, 1904: 41 (Aphrophora)

hasegawai Matsumura, 1942b: 78 (Sinophora)
We were unable to find out the male holotype. According to Prof. Emerit. S. Takagi (pers. comm.), the holotype was entirely damaged by the postal transportation back to Sapporo.

hatimantaiana Matsumura, 1942b: 78 (Sinophora)
Holotype ♂ – Hachimantai, Iwate, 3-Aug.-1937, Coll. Hitoshi Hasegawa // Type Matsumura // "Sinophora hatimantaiana Mats.".

hiraozanus 1942a: 53 (Futaptyelus)
Holotype not found (probably lost).

hirayamai Matsumura, 1942a: 62 (Nagophora)
Holotype ♂ – [Daikokumura], Okinawa, VIII.18.1930, [(S.) Hirayama] // "A. hirayamai" // "Nagophora Type".
Allotype ♀ – [Daikokumura], VIII.18 30, [(S.) Hirayama] // Okinawa Matsumura // "Nagophora hirayamai M.".

holonbairuna Matsumura, 1942b: 73 (Sabphora)
Holotype ♀ – Yakeshi, 35km Holonbairu, North Manchuria, 9-August 1910, Coll. T. Sato // Type Matsumura // "A. holonbairuna Mats.".

horishana Matsumura, 1940a: 63 (Aphrophora)
Although Matsumura (1940a) described this species on the basis of 2 ♂ 2 ♀ specimens, there have been deposited 1 ♂ 3 ♀ syntypes in the Matsumura Collection.
Lectotype ♂, here designated – [Horisha], 30/IV 07, Formosa Matsumura // Type Matsumura // "Aphrophora horishana Mats."
Paralectotypes 3 ♀ - same locality and date as lectotype.
hoshiana Matsumura, 1942b: 79 (Sinophora)

Paratype 1 ♀ – [Towada], Japan, [mid-August] 1905 // Paratype Matsumura // "hoshiana".

ibukisanus Matsumura, 1940a: 73 (Peuceptyelus)

Lectotype ♂ , here designated – [Mt. Ibuki] // Type Matsumura // "P. ibukisanus".
Paralecotype 1 ♂ – [Mt. Ibuki], 12 X 12, Matsumura // Paratype S. Matsumura // "P. ibukisanus Mat.".

ikumae Matsumura, 1915: 175 (Ptyelus I Aphilaenus)

Holotype ♀ – [(Mt.) Kongozan], [late October] 1914, [(Y.) Ikuma] // Type S. Matsumura // "ikumae M.".

ikumai Matsumura, 1940a: 55 (Kitaptyelus I Koreptyelus)

Holotype ♀ – [(Mt.) Kongozan], [late October] 1914, [Chosen-Keijo, (Y.) Ikuma] // "Koreptyelus ikumai Mat.".

inokashiranus Matsumura, 1934: 77 (Peuceptyelus I Oiptyelus)

Holotype ♂ – Inokashira, Tokyo, Japan, 19-8-1929, S. Hirayama // Type Matsumura // "P. inokashiranus n.".

inouyei Matsumura, 1942a: 56 (Jembroides)

Holotype ♂ – Mt. Ari (2300 m), Formosa, 8-10-June-1938, Coll. Hiroshi Inoue // Type Matsumura // "Jembroides inouyei Mat.".

ishidae Matsumura, 1903: 36 (Aphrophora I Tobiphora)


iwateana Matsumura, 1942b: 79 (Sinophora)


japonica Matsumura, 1942b: 80 (Sinophora)

Paratypes 2 ♂ – Mt. Daisetsu, 4-10.VIII.1926, Uchida (♂) Kono.
Paratype 1 ♂ – Shikaribetsu, '24 VIII 1934, Hokkaido, (I') Uchida.
jozanus Matsumura, 1942b: 75 (Sappoptyelus)
   Holotype ♂ – [Jozankei], 28.VIII.'20, Sapporo Matsumura // Type Matsumura // "jozanus M.".

kageyamai Matsumura, 1942a: 58 (Kageptyelus)

kankonis Matsumura, 1942a: 55 (Jembrana)
   Holotype ♂ – Kwanko, 12-vii-1925, S. Issiki (&) S. Akasaka // Type Matsumura // "J. kankonis".

kanmonis Matsumura, 1940a: 53 (Jembropsis)

kanoi Matsumura, 1940a: 65 (Philagra)
   Lectotype ♂ , here designated – [(Mt.) Arisan], 17.VII28, [(T.) Kano] // Type Matsumura // "P. kanoi Mats., Type".
   Paralectotype 1 ♂ – same data as lectotype // "Philagra kanoi M.".

kanoniella Matsumura, 1940a: 64 (Aphrophora / Formophora)
   Holotype ♂ – (locality indecipherable; ‘Shirohagin in Prov. Taichu’ in the locality reference), Form. (Formosa), 23.IV.26, [(T.) Kano] // "Formophoraella kanoniella Mats.".

kanoniella Matsumura, 1940a: 51 (Jembrana)
   Lectotype ♂ , here designated – [(Mt.) Arisan], 8(1)VII29, [(T.) Kano] // Type Matsumura // "J. Kanoniella Mats.".
   Paralectotype 1 ♂ – [(Mt.) Arisan], 11.VII.29, [(T.) Kano] // Allotype Matsumura // "J. kanoniella M.".

karafutonis Matsumura, 1940a: 44 (Philaeus)
   Lectotype ♂ , here designated – Shisuka, 8.VIII.1914, Saghalin, Adachi (&) Isshiki // Type S. Matsumura // "karafutonis".
   Paralectotype 1 ♂ – Shisuka, Saghalin, 8.VIII.1914, Adachi (&) Isshiki // Paratype S. Matsumura // "karafutonis".

karenkonis Matsumura, 1942a: 52 (Formophora)
   Holotype ♂ – Arisan, 19.X.1925, S. Issiki // Paratype Matsumura // "karenkonis".
   The following specimen is considered to be a paratype designated by Matsumura based on the label data though it bears no paratype label:
   Paratype 1 ♂ – Mt. Ari, Formosa (1500 m), 8-10-June-1938, Coll. Shizumu Nomura // Type Matsumura // "karenkonis".
   Instead, the following specimen is considered to be out of the type-series based on the label data: 1 ♂ , Karenko, Formosa, 19. VII 20-VIII 4, T. Okuni, J. Sonan, K. Miy., M. Yosh. // Type Matsumura // "karenkonis".

karenkonis Matsumura, 1940a: 46 (Mesoptyelus)

kariyai Matsumura, 1942a: 67 (Omalophora)
   Holotype ♂ (♀ in the original description) – Mankarei, S. Kariya, 1935.6.21 // "Canaliphora
karyai M. // Type Matsumura // "Omalophora karyai Mats."

kikuchi Matsumura, 1942a: 47 (Ariptyelus)
Holotype ♂ – Hori, Formosa, 28.IV.1927, K. Kikuchi // Type S. Matsumura // "kikuchi M."

kikuchi Matsumura, 1940a: 60 (Awaphora)
Holotype ♀ – Kuyhabon, 15.8.(1926) // Type Matsumura // "Awaphora kikuchi Mats."

kohozana Matsumura, 1942a: 52 (Formophora)
Holotype ♀ – [(Mt.) Koho], Formosa, 30 VII 39, [(S.) Hirayama] // Type Matsumura // "kohozana", "Tobiphora kohozana Mats."

koreana Matsumura, 1940a: 72 (Aphrophora / Yezophora)
Holotype ♀ (♀ in the original designation) – [Shakuojil], [Taisho 10th (=1921) Aug. 10] // Type Matsumura // "Aphrophora koreana Mats."

koreana Matsumura, 1915: 174 (Lepyronia)
Holotype ♂ – [Keijo], V/1914, Mr. [(Y.) Ikuma] // Type Matsumura // "koreana". According to his description, the type locality is Mt. Chohaku in Korea. But, we were unable to find the type specimen collected from this locality.

koreana Matsumura, 1942b: 80 (Sinophora)

koshireana Matsumura, 1940b: 49 (Aphrophora)

kuccharensis Matsumura, 1942b: 86 (Tamaphora)
Holotype ♀ – [Kushiro Kutcharo], 14/VIII 1917 // Type Matsumura // "kuccharensis M." // "kuchoronis (sic) Mats." // "Tamaphora kuccharensis Mats.".

kurilensis Matsumura, 1942a: 59 (Lepyronia)<L. coleoptrata var.>
Holotype ♂ – Yambetsu, Kunashiri, Kuriles, 22-25.VII.1935 (‘29.VII.1926’ in the date reference), T. Uchida // "L. coleoptrata kurilensis Mats.".

kurilensis Matsumura, 1940a: 62 (Yezophora)
Holotype ♂ – Yabetsu, Kunashiri, Kuriles, 22-25.VII.1935 (‘22-25.XII.1935’ in the date reference), T. Uchida // "Yezophora kurilensis Mats.".

kusironis Matsumura, 1942b: 74 (Saphphora)
Holotype ♂ – [Kushiro Kutcharo], 14/VIII 1917 // Type Matsumura // "kushironis (sic)"
Allotype ♀ – [Kushiro / Kutcharo], 18 VIII 1917, Matsumura // Allotype Matsumura // "kusironis"
Paratype 1♂ – [Kushiro Kutcharo], 14/4 VIII 1917 // Paratype S. Matsumura // "kusironis M.".

kusukusuana Matsumura, 1942b: 72 (Philagra)
Holotype ♀ – [Kusukusu, Taiwan], 19.IV.39, [(S.) Hirayama] // Type Matsumura // "kusukusuana (sic) Mats.".
leukasikini Matsumura, 1942b: 98 (Yezophora)
   Holotype ♂ – [Harbin, (A.) Leukasikin] // Type Matsumura // "lukasikini (sic)".

longiceps Matsumura, 1940a: 63 (Hiraphora)

lushanensis Matsumura, 1942b: 92 (Trigophora)
   Holotype ♂ – Lu Shan, Kinagsi (=Kiangsi), 8709 // Type S. Matsumura // "A. lushanensis Mats.".

magana Matsumura, 1942b: 86 (Tamaphora)
   Holotype (♂) not found.
   Allotype ♀ – Oshoden, Manchouchuo, 8-8-1940, S. Matsumura // Allotype Matsumura // "magana Mats.".
   Paratypes 2 ♀ – Oshoden, Manchouchuo, 8-8-1940, S. Matsumura // Type Matsumura // "A. magana Mats.".

maritima Matsumura, 1903: 41 (Aphrophora / Petaphora)

matusitai Matsumura, 1942b: 87 (Tamaphora)

medius Matsumura, 1904: 47 (Peuceptyelus)
   Lectotype ♂, here designated – [Jozanj (= Jozankei), Japan, Matsumura.
   Paralectotypes 1 ♂ 3 ♀ – [Jozanj], 8/28 // det. Dr. Matsumura, "medius n.sp."
   Paralectotypes 4 ♂ 4 ♀ – Moiwa, 13/X.
   Paralectotype 1 ♀ – [Sapporo], 8/19.

menoko Matsumura, 1942b: 76 (Sappoptyelus)
   Holotype ♂ – [Jozanj], 8/28 // Type Matsumura // menoko M. // det. Matsumura, "Menoptyelus menoko M." // "P. nigroscutellatus Mats.".

mitakeana Matsumura, 1942b: 81 (Sinophora)

miyabei Matsumura, 1911: 19 (Peuceptyelus / Kitapyelus)
   Lectotype ♂, here designated – Suzuyama, Sachalien, [(K.) Miyabe].
   Paralectotype 1 ♀ – same data as lectotype.
   Paralectotype 1 ♀ – [Karafuto] (= Sakhalin), Japan, 7/9 07.

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moriokana Matsumura, 1942a: 67 (Omalophora)
Holotype ♂ – Iwayama, Morioka, Iwateken, Japan, 19-VII-1937, Coll. Hitoshi Hasegawa
Type Matsumura // "moriokana Mats.".

mukdensis Matsumura, 1942a: 68 (Omalophora)
Holotype ♂ – [Mukden (Hoten)], 25 VIII 1940 // Type Matsumura // "A. mukdensis" // "Omalophora mukdensis Mats.".

musashiana Matsumura, 1934: 74 (Aphrophora)
Holotype ♀ – Mt. Takao, Tokyo, Japan, 8-8-1929, S. Hirayama // Type Matsumura // "musashiana".

mushana Matsumura, 1940a: 58 (Nagafukia)
Holotype ♂ – Musya, 18-vii-1925, S. Issiki (&) S. Akasaka // "Nagafukia mushana Mats.".

mushana Matsumura, 1942a: 63 (Obiphora)
Holotype ♂ – Musha, 2.V.41, [(S.) Hirayama] // Type Matsumura // "O. mushana M.".

mushanus Matsumura, 1940a: 44 (Philaeus)
Lectotype ♂, here designated – Musha, Formosa, Japan, 7-6-1934, S. Hirayama // Type Matsumura // "Pyelus mushanus M.".
Paralecotype 1 ♀ – same locality as lectotype, 8-6-1934 // Paratype S. Matsumura // "Philaeus mushanus M.".

nagasawae Matsumura, 1907: 108 (Aphrophora)
Holotype ♂ – [Taihoku], (date indecipherable), [(T.) Nagasawa] // Type S. Matsumura // "A. nagasawae".

nawae Matsumura, 1915: 174 (Lepyronia) <.L. coleoptrata var.>

nawae Matsumura, 1904: 44 (Peuceptylus / Awafukia)
Lectotype ♂, here designated – [Ibuki], 8/22, 270 // Type S. Matsumura // det Dr. Matsumura, "Nawae".
Paralecotype 1 ♂ – [Jozankei], 9/10.

nengyosanus Matsumura, 1942a: 60 (Mesoptyelus)
Holotype ♂ – [(Mt.) Nengyo-san], 21/6/30, 17 // "Mesoptyelus nengyosanus M." // Type S. Matsumura // KGAG-28 // Det. KGAG 80, "Mesoptyelus fasciatus Kato".

nigra Matsumura, 1907: 107 (Lepyronia) <.L. coleoptrata var.>
Lectotype ♂, here designated – Sapporo, (M.) Ishida, 4/VII 1904 // "Lepyronia coleoptrata var. nigra Mats.".
Paralecotype 1 ♂ – same data as above // Paratypus (designated and labelled by K. G. A. Hamilton, but invalid)
Paralectotype 1 ♀ – [Farm, Sapporo], July 5th 04.  
Paralectotype 1 ♂ – [Sapporo], 30/VII '06 // Japan Kuwayama.

*nigriceps* Matsumura, 1940a: 54 (*Jembropsis*)  

*nigrifrons* Matsumura, 1904: 49 (*Mesopytelus*)  
Lectotype ♂, here designated – [Hakone], 7/27 // Dr. Matsumura det., *"Mesopytelus nigrifrons"*  
Mats. // Type S. Matsumura // KGAH-55.  
Paralectotype 1 ♀ – same data as lectotype // KGAH-56.

*nigriventris* Matsumura, 1942b: 89 (*Tonkaephora*)  
Holotype ♀ – Oshoden, Manchouchuo, 8-8-1940, S. Matsumura // Paratype Matsumura // *"nigriventris M."*.

*nigriventralis* Matsumura, 1942b: 85 (*Sinophora*)  

*nigroscutellata* Matsumura, 1942b: 81 (*Sinophora*)  

*nigroscutellata* Matsumura, 1904: 45 (*Peucepytelus* // *Ainopytelus*)  
Lectotype ♀, here designated – [Jozankei], 8/28.  
Paralectotypes 1 ♂ ♀ – same data as lectotype.  
Paralectotype 1 ♂ – Sapporo, Matsumura.  
Paralectotype 1 ♀ – [Nikko], 9/2, [(Y.) Nawa].

*niijimae* Matsumura, 1903: 43 (*Aphrophora*)  
Later, the status was changed to the variety of *Aphrophora stictica* Matsumura.

*nikkona* Matsumura, 1942b: 89 (*Tobiphora*)  
Holotype ♀ – L. S. Chuzenji, Nikko, 13-VIII-1940, Col. M. Kubota // det. Matsumura,  
*Kubophora nikkona* Matsumura. // Type Matsumura // *"Kubophora nikkona Mats."*.

*nitobei* Matsumura, 1940a: 53 (*Jembropsis*)  
Holotype ♂ (abdomen lost) – [Kannon], 18.IV-10, [(I.) Nitobe] // Paratype Matsumura // *"J. nitobei"*.

*nokoensis* Matsumura, 1940a: 56 (*Nkokophora*)  
Holotype ♀ – Noko, 28.VI-1927, S. Issiki // *"Nokophora nokoensis"*.

*nomurella* Matsumura, 1942a: 54 (*Hosophora*)  
Holotype ♂ – Mt. Ari, Formosa (1000 m), 8-10-June-1938, Coll. Shizumu Nomura // Type S. Matsumura // *"nomurella"*.

*obliquella* Matsumura, 1942a: 68 (*Omalophora*)  
Holotype ♂ – Hachimantai, Iwate, 1-Aug.-1917 (11-Aug.-1937 in the original description),  
Coll. Hitoshi Hasegawa // *"Obliquella Mats"* // Type Matsumura // *"Omalophora obliquella Mats."*.

The date on the type label is considered as an error, judging from the age of the collector, Mr. H. Hasegawa (1918 –).
obtusa Matsumura, 1903: 39. (Aphrophora / Tanaphora)

ogasawarai Matsumura, 1940a: 49 (Peuceptyelus / Iwapytelus)
Holotype ♀ – Iwate, 43.9.15 // Type S. Matsumura // "ogasawarai".

oiwakeanus Matsumura, 1942a: 68 (Omalophora)
Holotype ♂ – Oiwake, Shinano Japan, 2-7-1929, S. Hirayama // "oiwakeana Mats." // Type Matsumura // "Omalophora oiwake".

oiwakensis Matsumura, 1934: 77 (Peuceptyelus / Oiptyelus)
Holotype ♂ – Oiwake, Shinano, Japan, 12-7-1929, S. Hirayama // Type Matsumura // "P. oiwakensis Mats.".

okadae Matsumura, 1903: 25 (Euclovia)

okamotonis Matsumura, 1940a: 47 (Mesoptyelus)
Holotype ♀ – Corea, (H.) Okamoto // Type S. Matsumura // "M. okamotonis" // KGAH-51.

okamotonis Matsumura, 1940a: 73 (Philaenus / Aphilaenus)
Lectotype ♂, here designated – Corea, (H.) Okamoto // Type Matsumura // "P. okamotonis" // det. Matsumura, "Ptyellus (sic) okamotonis".
Paralectotype 1 ♂ – same data as lectotype // Paratype S. Matsumura // "Philaenus okamotoi (sic) M.".
Paralectotype 1 ♂ – same data as lectotype.

onsenjiana Matsumura, 1942a: 49 (Cercops subgen. Philaenus)
Holotype ♂ – Onsenji, Manchouchuo, 17-8-1940, S. Matsumura // Type S. Matsumura // "Philaenus onsenjiensis (sic) M.".
Allotype ♀ – same data as holotype.

oshodenella Matsumura, 1942b: 90 (Tonkaephora)
Holotype ♀ – Oshoden ronka, 8.VIII.40 // Type S. Matsumura // "Tonkaephora oshodenella".

oshodensis Matsumura, 1942b: 93 (Trigophora)
Holotype ♂ – Oshoden, Manchouchuo, 8-8-1940, S. Matsumura // Type Matsumura // "oshodensis".
Paratype 1 ♂ – Manch. Shinkairei, 8.VIII.40, Matsumura // Paratype Matsumura // "oshodensis".
Paratype 1 ♂ – Shinkairei, 9.VIII.40, S. Matsumura // Paratype Matsumura // "oshodensis".
Paratype 1 ♀ – Shinkairei, prov. Tonka, Manchouchuo, 9-8 1940, S. Matsumura // Paratype Matsumura // "oshodensis".
Paratype 1 ♀ – Shin Kairei, 9.VIII.40, Matsumura // Paratype Matsumura // "oshodensis".

pallescens Matsumura, 1942a: 70 (Peuceptyelus)
Holotype ♂ – [Jozankei], 8/2 8 // Type Matsumura // "pallescens Mats.".

palludina Matsumura, 1942b: 96 (Yaphora)

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paucipuncta Matsumura, 1942a: 69 (Omalophora)
Holotype ♀ (♂ in the original designation) – [Mukden (Hoten)], 25/VIII-1939, Manchoukuo, S. Matsumura (&) H. Kono // Type Matsumura // "Petaphora paucipuncta Mats.".

peanensis Matsumura, 1940b: 49 (Aphrophora)

pectoralis Matsumura, 1903: 34 (Aphrophora / Omalophora)

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sachalina Matsumura, 1942b: 98 (Yezophora)
  Holotype ♂ – Mt. Totso, Sahhalien, Japan, 29-July-1938, Coll. Hitoshi Hasegawa // Type Matsumura // "sachalina".

sachalinensis Matsumura, 1907: 109 (Aphrophora)
  Lectotype ♂, here designated – [Pilleo], 13/VIII 1906 // "Aphrophora sachalinensis n. sp." // Paratype S. Matsumura // "sachalinensis Mats.".

sachalinensis Matsumura, 1915: 175. (Pyelus / Neophilaenus)

satoi Matsumura, 1942b: 99 (Yezophora)
  Holotype ♂ – Holonbairu Yakeshi, 9.VIII.40, T. Sato // Type Matsumura // "satoi M.".

sawadai Matsumura, 1942a: 57 (Jembrophora)
  Holotype ♂ – 2000-2500 m, near Hattuukan, Taityu-syu (Formosa), 24, June, 1939, Hiromasa Sawada // Paratype Matsumura // "Jembrophora sawadai M.".

scutellata Matsumura, 1904: 34 (Aphrophora / Trigophora)

seitonis Matsumura, 1942b: 76 (Seiphora)
  Holotype ♂ – Tsingtiao, China, June-21-1937, Coll. Sub.Takagi // Type Matsumura // "Seiphora seitonis". Paratype 1 ♂ – same data as holotype // Paratype Matsumura // "seitonis".

sericella Matsumura, 1942b: 87 (Tamaphora)
  Holotype ♂ – Oshoden, Manchouchuo, 8-8-1940, S. Matsumura // "sericella Mats.".

shokanus Matsumura, 1942a: 47 (Ariptyelus)

sinalca Matsumura, 1942b: 95 (Tukaphora)
  Holotype ♀ – Lu Shan, Kiangsi, 8708 // Type Matsumura // "A. sinalca" // "Tukaphora sinalca Mats".

sinjonis Matsumura, 1942a: 64 (Obiphora)
  Holotype ♀ – [Shinjo, Yamagata], 1935, [(S.) Kanda] // Type S. Matsumura // "A. sinjonis Mats.".
strictica Matsumura, 1903: 42 (Aphrophora / Atuphora)
   Paralectotype 1 ♂ – [Hikosan], 8.9, [(M.) Yano], 15 // Paralectotype Aphrophora strictica Mats. designated by T. Komatsu, 1997.

takagii Matsumura, 1940a: 64 (Aphrophora / Sabphora)

takaii Matsumura, 1934: 75 (Aphrophora)

takaiii Matsumura, 1934: 78 (Ptyelus / Neophilaenus)
   Holotype ♂ – [(Mt.) Yatsugatake], (K.) Takai // Type Matsumura // "Philaenus takaii Mats.".

takaosanus Matsumura, 1934: 78. (Peuceptyelus / Mimoptyelus)
   Holotype ♂ – Mt. Taro, Shinano, Japan, 21.VII.1928, S. Hirayama // Type Matsumura, "takaosanus".
   In the original description, Matsumura erroneously read the type locality on the label, as ‘Mt. Takao’.

tamahonis Matsumura, 1940a: 74 (Ptyelus)

tokatiana Matsumura, 1942b: 94 (Trigophora)
   Holotype ♂ – [Tokati Shintoku], 17.VII.1917, Matsumura // Type Matsumura // "tokatiana".
   Paratype 1 ♂ – same data as holotype // Paratype S. Matsumura // "tokachiana (sic) Mats.".

tomon Matsumura, 1940b: 51 (Aphrophora)
   Lectotype ♂, here designated – [Tomonrei], 19/VIII.1939, S. Matsumura (&) H. Kono // Type S. Matsumura // "A. tomon Mats.".
   Paralectotype 1 ♂ – [Tomonrei], Manchoukuo, S. Matsumura (&) H. Kono // Allotype Matsumura // "Atuphora tomon Mats.".

tonkana Matsumura, 1942b: 90 (Tonkaephora)
   Holotype ♂ (♀ in the original designation) – Shinkaizei, prov. Tonka, Manchoukuo, 9-8 1940, S. Matsumura // Paratype Matsumura // "S. takagii".

tsingtauana Matsumura, 1942a: 51 (Euclovia)
   Holotype ♂ – Tsingtao, China, June-25-1937, Coll. Sub. Takagi // Type Matsumura // "E. tsingtauana Mats.".
tsuruana Matsumura, 1907: 110 (Aphrophora / Sagophora)
Lectotype ♂, here designated — [Taikokan], 8/16, Formosa Matsumura // "Aphrophora tsuruana n.sp." // Type Matsumura // "A. tsuruana Mats." // "Sagophora tsuruana Mats.".
Paralectotype 1 ♂ — same data as lectotype.
Paralectotype 1 ♀ — Hoppo, 8/7.

vitis Matsumura, 1904: 42 (Aphrophora / Dophora)
The species name vitata on the type label written by Matsumura is considered to be mistaken, based on the locality and date references.
Paralectotype 1 ♂, 1 ♀ — [Jozankei], 9/9 // Paralectotype Aphrophora vitis Mats. designated by T. Komatsu, 1997.

vittata Matsumura, 1903: 38 (Aphrophora)
Paralectotype 1 ♂ — [Tokyo], 7/30 // Paralectotype Aphrophora vittata Mats. designated by T. Komatsu, 1997.

v-pustulatus Matsumura, 1915: 175 (Pyelus) <P. abieti var.>
Holotype ♂ — [(Mt.) Kongo-san], [late October] 1914, [(Y.) Ikuma] // Type S. Matsumura // "v-pustulatus M.".

yagonis Matsumura, 1940a: 47 (Mesopyelus)
Holotype ♂ (abdomen lost) — [Mt. Fuji, Omiya-guchi], 13/VII 1930 // Type S. Matsumura // "E. yagonis" // KGAH-52.

yatugadakeana Matsumura, 1942b: 82 (Sinophora)

yatugadakensis Matsumura, 1934: 75 (Aphrophora / Yaphora)
Holotype ♀ — Yatsugadake (= Mt. Yatsugatake) // Type Matsumura // "yatugadakensis (sic) n.".

yatugadakeana Matsumura, 1942b: 95 (Yamaphora)
Holotype ♂ — [Yatsuga] (= Mt. Yatsugatake), 23.IX.19, [(C.) Yohena] // Type Matsumura // "yatugadakeana" // "Jembra yatugadakeana M.".

yatugadakeanus Matsumura, 1942b: 71 (Peucepyelus)
Holotype ♂ — [(Mt.) Yatsugatake], IX 2, Matsumura // Type Matsumura // "yatugadakeanus (sic) M.".

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yayeyamanus Matsumura, 1940a: 43 (Okippyelus)
Lectotype ♂, here designated – [Yaeyama], V/09 // det. Dr. Matsumura, "Aphrophora yayeyamanus" // Type Matsumura // "A. yayeyamanus".
Paralectotype 1 ♂ – same data as lectotype.

yohenai Matsumura, 1934: 76 (Aphrophora)
Holotype ♂ – [Yatsuga] (= Mt. Yatsugatake), [(C.) Yohena] // Type Matsumura // "A. yohenai n.".

zonata Matsumura, 1904: 42 (Aphrophora) <A. stictica var.>
Lectotype ♂ , here designated – [Gifu], 7/13 // A. stictica zonata.
Paralectotype 1 ♂ – [Kagoshima], 7/29 // Paratype Matsumura // "A. stictica".

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