

A Check-List of the Mecoptera of the World

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Abstract

All known species of recent Mecoptera are catalogued; reference is given to original descriptions; and known distributions are recorded. New names for two junior homonyms (*Panorpa issiki* = *Panorpa acuta* Issiki & Cheng, and *Panorpa banksiana* = *Panorpa interrupta* Banks) are included, and one new synonymy (*Panorpa galloisi* Miyake = *Panorpa cornigera* MacLachlan) is noted.

INTRODUCTION

The insect order Mecoptera has become increasingly better known in recent years due to such publications as Schlee's (1977) bibliography of literature on the order; Kaltenbach's (1978) summary of the entire order; Byers' (1965c) study of family-level classification; Penny's (1977) revision of the family Boreidae; and faunal works by Martynova (1954, 1957, 1959) for the U.S.S.R., Cheng (1957a) for China, Byers (1965a) for Indo-China, Byers (1971b) and Londt (1972) for Africa, Riek (1954, 1973) for Australia, Rust and Byers (1976) for India, and Chau and Byers (1978) for Indonesia.

Not since Esben-Petersen's (1921) monographic revision has a compilation been available of all the species of Mecoptera. Since that time 41 per cent of known genera and 68 per cent of known species have been described. This check-list is provided as an aid to furthering comprehensive knowledge of the Mecoptera.

Two divergent trends among the faunal regions are shown in Tables 1 and 2. One trend, found in the Australian, Nearctic and Neotropical Regions, is toward great diversity at the family and generic levels, but relatively few species. The other trend, existing in

the Ethiopian, Oriental and Palearctic Regions, is toward slight diversity at the family and generic levels but great diversity at the species level. For example, in the combined Australian, Nearctic, and Neotropical areas can be found representatives of all families and of 25 of the 29 known genera of Mecoptera, but only 28 per cent of the known species. Conversely, the other three regions contain only four families and seven genera of Mecoptera, but 72 per cent of the known species. Actually, the Nearctic Region appears to be somewhat intermediate, having a large number of families and genera, but also a fairly high number of species. More study needs to be given to the reasons for this dichotomy.

TABLE 1. Distribution of taxa of Mecoptera by region

Faunal Region	Families	Genera	Species
Australian	5	11	27
Ethiopian	1	2	53
Nearctic	5	7	72
Neotropical	3	9	34
Oriental	2	4	190
Palearctic	3	4	94

TABLE 2. Distribution of taxa of Mecoptera found only in a region

Faunal Region	Families	Genera	Species
Australian	1	10	27
Ethiopian	0	1	53
Nearctic	0	4	72
Neotropical	1	7	34
Oriental	0	2	190
Palearctic	0	1	94

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Another observation is the relative scarcity of Mecoptera on islands. No Mecoptera have been found on Madagascar, although several species are recorded from nearby parts of Africa. In the South Pacific, only one endemic species exists in New Zealand. In the Caribbean, Mecoptera are known only from Trinidad. In most island areas where Mecoptera are known (i.e., Japan, Taiwan, Sri Lanka (Ceylon), Borneo, Java, Sumatra, Tioman Island, Trinidad and St. Paul Island) (*) there is a geological history of relatively recent land connection to the adjacent continent. This suggests low vagility in the Mecoptera.

In the following list, when a scientific name is followed by two authors' names, the first indicates original describer, and the second the name of the author who first changed the generic status of the species. Valid subspecific names follow the specific names as non-indented trinomials, while synonymized subspecies are indented. Varieties have been omitted. This list includes names received up to 1 December 1978. The name Esben-Petersen has been abbreviated as E.-P.

Two species are recorded as previously unresolved junior homonyms, and they have been given new names. The first, *Panorpa*

issiki, was originally named *Panorpa acuta* by Issiki and Cheng in 1947. However, this name is predated by *Panorpa acuta* Carpenter (1931). The second junior homonym was originally described as *Panorpa interrupta* by Banks in 1918. However, in 1913 Longinos Navás described *Aulops interrupta*, which was later synonymized with *Panorpa japonica*. As the generic name *Aulops* has also been synonymized with *Panorpa*, if the species name *Aulops interrupta* is resurrected, it would be called *Panorpa interrupta*. Thus, the need to change the name proposed by Banks. We have named this species *Panorpa banksiana* in honor of its original describer.

One new synonymy is also included. *Panorpa galloisi* Navás (1913) has long been considered a synonym of *Panorpa cornigera* MacLachlan (1887). One pale variety of *Panorpa galloisi* Navás was collected at the same place and day as the type of *Panorpa galloisi* Miyake (1911). Based on published descriptions, noted variation between *Panorpa galloisi* Miyake and *Panorpa galloisi* Navás can be interpreted as intraspecific variation, and thus both *Panorpa galloisi* Miyake and *Panorpa galloisi* Navás are synonyms of *Panorpa cornigera* MacLachlan.

Family APTEROPANORPIDAE

APTEROPANORPA Carpenter (1941)

Apteropanorpa tasmanica Carpenter (1941)

Tasmania

Family BITTACIDAE

ANABITTACUS Kimmins (1929)

Anabittacus iridipennis Kimmins (1929)

Chile

ANOMALOBITTACUS Kimmins (1928)

Anomalobittacus gracilipes Kimmins (1928)

South Africa

APTEROBITTACUS MacLachlan (1893)

Apterobittacus apterus (MacLachlan) MacLachlan (1893)

U.S.A.

Bittacus apterus MacLachlan (1871)

AUSTROBITTACUS Riek (1954)

Austrobittacus anomalus Riek (1954)

Australia

(*) The Snow Entomological Museum has a specimen of *Bittacus* from Socotra Island which apparently does not fit in this category.

BITTACUS Latreille (1805)

- =**Leptobittacus** Hine (1898)
- =**Thyridates** Navás (1908)
- =**Diplostigma** Navás (1908)
- =**Haplodictyus** Navás (1908)
- =**Klugius** Navás (1926a)

Bittacus aequalis Navás (1914)	eastern Africa
Bittacus africanus E.-P. (1915)	western Africa
Bittacus alluaudi Navás (1914)	eastern Africa
= Bittacus jeanneli Navás (1914)	
= Bittacus zavattarii Capra (1939)	
Bittacus andinus Londt & Byers (1974)	Bolivia, Peru
Bittacus angrensis Souza Lopes & Mangabeira (1942)	Brazil
Bittacus annae Londt (1972)	South Africa
Bittacus apicalis Hagen (1861)	U.S.A.
= Haplodictyus apicalis (Hagen) Navás (1908)	
= Haplodictyus incertus Navás (1926b)	
Bittacus appendiculatus E.-P. (1927)	China
Bittacus armatus Tjeder (1956b)	Rhodesia, South Africa
Bittacus banksi E.-P. (1915)	Mexico to Panama
Bittacus berlandi Capra (1939)	Tanzania
= Bittacus rhombicus Kimmins (1957)	
Bittacus boraceiensis Morgante (1967)	Brazil
Bittacus boranicus Capra (1939)	E. Africa
Bittacus brasiliensis Klug (1838)	Argentina, Brazil
Bittacus brunneus E.-P. (1927)	Paraguay
Bittacus bullatus Londt (1972)	South Africa
Bittacus burgeoni Navás (1930b)	Zaire
Bittacus burmanus Tjeder (1974)	Burma
Bittacus byersi Londt (1972)	South Africa
Bittacus capensis (Thunberg) Klug (1838)	South Africa
= Panorpa capensis Thunberg (1784)	
Bittacus caprai Londt (1972)	Rhodesia, Zambia
Bittacus carpenteri Cheng (1957a)	China
Bittacus chevalieri (Navás) E.-P. (1921)	western Africa
= Haplodictyus chevalieri Navás (1908)	
Bittacus chilensis Klug (1838)	Chile
= Thyridates chilensis (Klug) Navás (1908)	
Bittacus chlorostigma MacLachlan (1881)	western U.S.A.
Bittacus chujoi Issiki & Cheng (1947)	Taiwan
Bittacus cirratus Tjeder (1956a)	Manchuria
= Bittacus zoensis Cheng (1957a)	
Bittacus contumax Tjeder (1956a)	China
Bittacus coreanus Issiki (1929b)	China, Korea
Bittacus cottrelli Londt (1972)	South Africa
Bittacus discors Navás (1914)	eastern Africa
= Bittacus patrizii Navás (1929)	
Bittacus diversinervis Souza Lopes & Mangabeira (1942)	Brazil
Bittacus elisabethae Navás (1930b)	Zaire
Bittacus erythrostigma Byers (1975b)	Uganda, Zaire
Bittacus femoralis Klug (1838)	Brazil

Bittacus flavescens Klug (1838)	Brazil
= <i>Klugius flavescens</i> (Klug) Navás (1926a)	
= <i>Bittacus affinis</i> Westwood (1846)	
Bittacus formosanus Issiki (1927)	Taiwan
Bittacus fumosus E.-P. (1913b)	Kenya
Bittacus geniculatus Erichson (1848)	Guyana
Bittacus gessi Londt (1972)	South Africa
Bittacus gressitti Cheng (1957a)	China
Bittacus hageni Brauer (1860)	Europe
Bittacus henryi Kimmins (1928)	Sri Lanka
Bittacus humbergerae Navás (1933a)	Fr. Guinea
Bittacus indicus Walker (1853)	India
Bittacus insularis E.-P. (1915)	Sri Lanka
Bittacus italicus (Müller) Klug (1838)	southern Europe
= <i>Panorpa italica</i> Müller (1766)	
= <i>Panorpa tipularia</i> Fabricius (1775)	
= <i>Bittacus tipularius</i> (Fabricius) Latreille (1805)	
= <i>Panorpa tipuloides</i> Schrank (1776)	
Bittacus kagoshimaensis Issiki (1929b)	Japan
Bittacus kimminsi Tjeder (1956b)	South Africa
Bittacus kunenensis Wood (1933)	Southwest Africa
Bittacus lachlani Navás (1925)	Kenya
Bittacus laevipes Navás (1909)	Japan
Bittacus latipennis Gerstaecker (1885)	India
Bittacus leptocaudus Byers (1965a)	Thailand
Bittacus leptocercus Navás (1934)	Eastern Africa
Bittacus lineatus Navás (1914)	Kenya
= <i>Bittacus similis</i> Kimmins (1957)	
Bittacus maculatus Issiki (1927)	Taiwan
Bittacus maculosus Byers (1965b)	Trinidad
Bittacus malaisei Tjeder (1974)	Burma
Bittacus marginatus Miyake (1913)	Japan
Bittacus mastrillii Navás (1913b)	Japan
Bittacus mexicanus Klug (1838)	Mexico
Bittacus milleri Londt (1978)	South Africa
Bittacus montanus Weele (1910)	Angola, Cameroon, Kenya, Malawi, Rhodesia, Rwanda, Tanzania, Uganda
= <i>Bittacus woodi</i> Smithers (1959)	
Bittacus moschinus Navás (1914)	Malawi, Tanzania, Zambia
Bittacus nebulosus Klug (1838)	Mozambique, South Africa
Bittacus nipponicus Navás (1909)	Japan
Bittacus nodosus Rust & Byers (1976)	India, Pakistan
Bittacus occidentis Walker (1853)	North America
= <i>Bittacus arizonicus</i> Banks (1911)	
Bittacus omega Morgante (1967)	Brazil
Bittacus oreinus Navás (1914)	Ethiopia
Bittacus panamensis Byers (1958)	Panama
Bittacus peringueyi E.-P. (1913b)	South Africa

Bittacus peterseni Kimmins (1938)	South Africa
Bittacus pieli Navás (1935a)	China
Bittacus pignatelli Navás (1932a)	Panama
Bittacus pilicornis Westwood (1846)	eastern U.S.A.
Bittacus pinguipalpi Wood (1933)	Southwest Africa
Bittacus pintoi Souza Lopes & Mangabeira (1942)	Brazil
Bittacus planus Cheng (1949)	China
Bittacus pobequini (Navás) E.-P. (1913b)	Congo, Ghana,
= <i>Haplodictyus pobequini</i> Navás (1908)	Ivory Coast, Nigeria
= <i>Bittacus kongoloensis</i> Lestage (1929)	Uganda
Bittacus pondoensis Londt (1972)	South Africa
Bittacus punctiger Westwood (1846)	eastern N.A.
Bittacus rossi Londt (1977)	Zaire
Bittacus schoutedeni E.-P. (1913b)	Zaire
= <i>Bittacus lestagei</i> Kimmins (1957)	
Bittacus selysi E.-P. (1917)	South Africa
Bittacus sinensis Walker (1853)	eastern Asia
= <i>Diplostigma sinense</i> (Walker) Navás (1908)	
= <i>Bittacus quaternipunctatus</i> Enderlein (1910)	
= <i>Bittacus strategus</i> Navás (1913b)	
Bittacus sinicus Issiki (1931)	China
Bittacus sjostedti Weele (1910)	Kenya, Tanzania
Bittacus smithersi Londt (1972)	South Africa
Bittacus sobrinus Tjeder (1956b)	South Africa
Bittacus solitarius Tjeder (1956b)	Rhodesia
Bittacus sonani Issiki (1929b)	Taiwan
Bittacus stanleyi Byers (1968)	Zaire
Bittacus stigmaterus Say (1823)	North America
= <i>Bittacus pallidipennis</i> Westwood (1846)	
Bittacus striatus Issiki (1927)	Taiwan
Bittacus strigosus Hagen (1861)	North America
= <i>Leptobittacus strigosus</i> (Hagen) Hine (1898)	
Bittacus takaoensis Miyake (1913)	Japan
= <i>Haplodictyus polemicus</i> Navás (1913c)	
Bittacus taraiensis Penny (1969)	India
Bittacus testaceus Klug (1838)	Rhodesia, South Africa
= <i>Bittacus brincki</i> Tjeder (1956b)	
Bittacus texanus Banks (1908)	U.S.A.
Bittacus tienmushana Cheng (1957a)	China
Bittacus tjederi Londt (1970)	South Africa
Bittacus triangularis Issiki (1929b)	Korea, Manchuria
Bittacus tuxeni Byers (1975b)	Guinea
Bittacus vexilliferus Byers (1970)	China
Bittacus vumbanus Smithers (1960)	Rhodesia
Bittacus wahlbergi Londt (1972)	South Africa
Bittacus walkeri E.-P. (1915)	South Africa
= <i>Bittacus angulosus</i> Tjeder (1956b)	
Bittacus weelei E.-P. (1913b)	central Africa
= <i>Bittacus longistigma</i> Navás (1926c)	
= <i>Bittacus negus</i> Navás (1915)	
= <i>Bittacus wittei</i> Navás (1933b)	

Bittacus zambezinus Navás (1931b)	Mozambique, Malawi
= Bittacus natalensis Wood (1933)	Rhodesia, South Africa
Bittacus zulu Londt (1972)	South Africa
EDRIOBITTACUS Byers (1974)	
Edriobittacus microcerus (Gerstaecker) Byers (1974)	Australia
= Bittacus microcerus Gerstaecker (1885)	
= Kalobittacus microcerus (Gerstaecker) Riek (1954)	
HARPOBITTACUS Gerstaecker (1885)	
Harpobittacus australis (Klug) Gerstaecker (1885)	Australia, Tasmania
= Bittacus australis Klug (1838)	
= Bittacus corethrarius Rambur (1842)	
= Bittacus intermedius Selys (1868) (female)	
Harpobittacus australis rubripes Riek (1954)	Australia
Harpobittacus brewerae Smithers (1973)	Australia
Harpobittacus limnaeus Smithers (1973)	Australia
Harpobittacus nigratus Navás (1932b)	Australia
Harpobittacus nigriceps (Selys) Gerstaecker (1885)	Australia
= Bittacus nigriceps Selys (1868)	
= Bittacus intermedius Selys (1868) (male)	
= Harpobittacus intermedius (Selys) Gerstaecker (1885) (ma	
Harpobittacus phaeoscius Riek (1954)	Australia
Harpobittacus rubricatus (Riek) Smithers (1973)	Australia
= Harpobittacus tillyardi rubricatus Riek (1954)	
Harpobittacus scheibeli E.-P. (1935)	Australia
Harpobittacus similis E.-P. (1935)	Australia
Harpobittacus tillyardi E.-P. (1915)	Australia
Harpobittacus tillyardi albatu s Riek (1954)	Australia
ISSIKIELLA Byers (1972)	
Issikiella pulchra Byers (1972)	Brazil
KALOBITTACUS E.-P. (1914)	
Kalobittacus bimaculatus E.-P. (1914)	Mexico
Kalobittacus hubbelli Byers (1965b)	Honduras
Kalobittacus ramosus Byers (1958)	Panama
NANNOBITTACUS E.-P. (1927)	
Nannobittacus elegans E.-P. (1927)	Brazil
Nannobittacus tjederi Byers (1965b)	Colombia, Panama Venezuela
NEOBITTACUS E.-P. (1914)	
Neobittacus aripuanaensis Penny (1977b)	Brazil
Neobittacus blancheti (Pictet) E.-P. (1914)	Brazil
= Bittacus blancheti Pictet (1836)	
PAZIUS Navás (1913a)	
Pazius flinti Byers (1977)	Panama
Pazius furcatus Byers (1957)	Venezuela
Pazius gracilis (Navás) Navás (1913a)	Peru
= Bittacus gracilis Navás (1908)	
Pazius obtusus Byers (1957)	Panama
Pazius ornatICAUDUS Penny (1977b)	Brazil
Pazius pectinatus Byers (1977)	Ecuador

TYTTHOBITTACUS Smithers (1973)

Tyttobittacus macalpinei Smithers (1973)

Australia

Family BOREIDAE

BOREUS Latreille (1816)

=*Ateleptera* Dalman (1823)

=*Euboreus* Lestage (1940)

Boreus beybienkoi Tarbinsky (1962)

U.S.S.R.

Boreus borealis Banks (1923)

Alaska

=*Euboreus borealis* (Banks) Lestage (1940)

Boreus brumalis Fitch (1847)

eastern N.A.

=*Euboreus brumalis* (Fitch) Lestage (1940)

Boreus californicus Packard (1870)

western N.A.

=*Boreus unicolor* Hine (1901)

=*Euboreus unicolor* (Hine) Lestage (1940)

=*Boreus isolatus* Carpenter (1935)

=*Euboreus isolatus* (Carpenter) Lestage (1940)

=*Boreus californicus fuscus* Carpenter (1935)

=*Euboreus californicus* (Packard) Lestage (1940)

Boreus chagzhigireji Pliginsky (1914)

U.S.S.R.

Boreus coloradensis Byers (1955)

western N.A.

Boreus elegans Carpenter (1935)

western N.A.

=*Euboreus elegans* (Carpenter) Lestage (1940)

Boreus hyemalis (Linnaeus) Latreille (1816)

western Europe

=*Panorpa hyemalis* Linnaeus (1767)

=*Gryllus proboscideus* Panzer (1796)

=*Bittacus hiemalis* (Linnaeus) Latreille (1805)

=*Boreus hiemalis* (Linnaeus) Latreille (1817)

=*Ateleptera hiemalis* (Linnaeus) Dalman (1823)

=*Boreus gigas* Brauer (1876)

Boreus intermedius Lloyd (1934)

Alaska

=*Euboreus intermedius* (Lloyd) Lestage (1940)

Boreus kratochvili Mayer (1938)

Czechoslovakia

Boreus lokayi Klapálek (1901)

Romania

Boreus navasi Pliginsky (1914)

U.S.S.R.

=*Boreus aktijari* Pliginsky (1914)

Boreus nivoriundus Fitch (1847)

eastern N.A.

=*Euboreus nivoriundus* (Fitch) Lestage (1940)

Boreus nix Carpenter (1935)

western N.A.

=*Euboreus nix* (Carpenter) Lestage (1940)

=*Boreus gracilis* Carpenter (1935)

=*Euboreus gracilis* (Carpenter) Lestage (1940)

Boreus orientalis Martynova (1954)

eastern U.S.S.R.

Boreus pilosus Carpenter (1935)

western N.A.

=*Euboreus pilosus* (Carpenter) Lestage (1940)

Boreus reductus Carpenter (1933)

western N.A.

=*Euboreus reductus* (Carpenter) Lestage (1940)

Boreus semenovi Pliginsky (1930)

U.S.S.R.

=*Euboreus semenovi* (Pliginsky) Lestage (1940)

Boreus sjostedti Navás (1926d)

U.S.S.R.

Boreus vlasovi Martynova (1954)

U.S.S.R.

Boreus westwoodi Hagen (1866) western Europe
= **Boreus boldyrevi** Navás (1911)
= **Boreus tarnanii** Navás (1911)

HESPEROBOREUS Penny (1977a)

Hesperoboreus brevicaudus (Byers) Penny (1977a) western U.S.A.
= **Boreus brevicaudus** Byers (1961)

Hesperoboreus notoperates (Cooper) Penny (1977a) western U.S.A.
= **Boreus notoperates** Cooper (1972)

Family CHORISTIDAE

CHORISTA Klug (1838)

= **Euphania** Westwood (1846)

Chorista australis Klug (1838) Australia

Chorista luteola (Westwood) Riek (1973) Australia
= **Euphania luteola** Westwood (1846)

NEOCHORISTA Riek (1973)

Neochorista insolita Riek (1973) Australia

Neochorista ruficeps (Newman) Riek (1973) Australia

= **Panorpa ruficeps** Newman (1850)

= **Chorista ruficeps** (Newman) E.-P. (1921)

= **Chorista victoriensis** Issiki (1931)

TAENIOCHORISTA E.-P. (1914)

Taeniochorista bifurcata Riek (1973) Australia

Taeniochorista nigrita Riek (1973) Australia

Taeniochorista pallida E.-P. (1914) Australia

Taeniochorista similis Riek (1973) Australia

Family MEROPEIDAE

AUSTROMEROPE Killington (1933)

Austromerope poultoni Killington (1933) Australia

MEROPE Newman (1838)

Merope tuber Newman (1838) eastern U.S.A.

Family NANNOCHORISTIDAE

MICROCHORISTA Byers (1974)

= **Choristella** Tillyard (1917) (preoccupied)

Microchorista philpotti (Tillyard) Byers (1974) New Zealand

= **Choristella philpotti** Tillyard (1917)

NANNOCHORISTA Tillyard (1917)

Nannochorista dipteroides Tillyard (1917) Australia, Tasmania

Nannochorista dipteroides eboraca (Tillyard) Riek (1954) Australia

= **Nannochorista eboraca** Tillyard (1917)

Nannochorista edwardsi Kimmins (1929) Argentina, Chile

Nannochorista holostigma Tillyard (1917) Tasmania

Nannochorista maculipennis Tillyard (1917) Tasmania

Nannochorista neotropica Navás (1928a) Chile

Family NOTIOTHAUMIDAE (*)

NOTIOTHAUMA MacLachlan (1877)

Notiothauma reedi MacLachlan (1877)

Chile

Family PANORPIDAE

LEPTOPANORPA MacLachlan (1875)

=*Himanturella* Enderlein (1910)

Leptopanorpa charpentieri (Burmeister) E.-P. (1915)

Java, Sumatra

=*Panorpa charpentieri* Burmeister (1839)

=*Neopanorpa linguata* Navás (1914)

=*Leptopanorpa linguata* (Navás) E.-P. (1921)

Leptopanorpa cingulata (Enderlein) Byers (1967)

Java

=*Campodotecnum cingulatum* Enderlein (1912)

=*Neopanorpa cingulata* (Enderlein) E.-P. (1921)

=*Leptopanorpa erythrura* Lieftinck (1936)

Leptopanorpa filicauda Lieftinck (1936)

Java

Leptopanorpa inconspicua Lieftinck (1936)

Java

Leptopanorpa jacobsoni (Weele) E.-P. (1921)

Java

=*Panorpa jacobsoni* Weele (1909)

Leptopanorpa javanica (Westwood) E.-P. (1921)

Java

=*Panorpa javanica* Westwood (1842)

=*Campodotecnum javanicum* (Westwood) Enderlein (1910)

Leptopanorpa nematogaster (MacLachlan) MacLachlan (1875)

Java

=*Panorpa nematogaster* MacLachlan (1869)

=*Neopanorpa nematogaster* (MacLachlan) Weele (1909)

=*Himanturella nematogaster* (MacLachlan) Enderlein (1910)

=*Leptopanorpa sieboldi* MacLachlan (1875)

Leptopanorpa peterseni Lieftinck (1936)

Java

Leptopanorpa pi (Weele) Lieftinck (1936)

Java

=*Panorpa pi* Weele (1909)

=*Campodotecnum lemniscata* Enderlein (1912)

=*Neopanorpa lemniscata* (Enderlein) E.-P. (1921)

=*Leptopanorpa brachyura* Lieftinck (1934) (nomen nudum)

Leptopanorpa pi decorata Lieftinck (1936)

Java

Leptopanorpa ritsemae MacLachlan (1875)

Java

=*Leptopanorpa longicauda* Weele (1909)

=*Himanturella tubifera* Enderlein (1910)

Leptopanorpa robusta Lieftinck (1936)

Java

Leptopanorpa sarangana Lieftinck (1936)

Java

NEOPANORPA Weele (1909)

=*Campodotecnum* Enderlein (1910)

Neopanorpa angustiapicula Chau & Byers (1978)

Java

Neopanorpa angustipennis (Westwood) E.-P. (1913c)

Burma

=*Panorpa angustipennis* Westwood (1842)

=*Campodotecnum angustipennis* (Westwood) Enderlein (1910)

Neopanorpa annamensis Byers (1965a)

Vietnam

Neopanorpa apicata Navás (1922)

China

Neopanorpa appendiculata (Westwood) E.-P. (1915)

India

=*Panorpa appendiculata* Westwood (1846)

(*) Ponomarenko and Rasnitsyn (1974) have pointed out that since some fossil forms have recently been placed in this family, the family name should more properly be Eomeropidae. We prefer to retain the name Notiothaumidae pending further study of the fossil forms.

<i>Neopanorpa banksi</i> Carpenter (1938)	China
<i>Neopanorpa baviensis</i> Cheng (1953)	Vietnam
<i>Neopanorpa benaci</i> Navás (1935b)	India
<i>Neopanorpa borneensis</i> Byers (1966)	Borneo
<i>Neopanorpa brisi</i> (Navás) Carpenter (1938)	India
= <i>Leptopanorpa brisi</i> Navás (1930a)	
= <i>Neopanorpa pilosa</i> Carpenter (1945)	
<i>Neopanorpa burmana</i> Byers (1965a)	Burma
<i>Neopanorpa cantonensis</i> Cheng (1957a)	China
<i>Neopanorpa carpenteri</i> Cheng (1957a)	China
<i>Neopanorpa cavaleriei</i> (Navás) E.-P. (1921)	China
= <i>Panorpa cavaleriei</i> Navás (1908)	
<i>Neopanorpa caveata</i> Cheng (1957a)	China
<i>Neopanorpa chaoi</i> Cheng (1957a)	China
<i>Neopanorpa chelata</i> Carpenter (1938)	China
<i>Neopanorpa chillcotti</i> Byers (1971a)	Nepal
<i>Neopanorpa choui</i> Cheng (1949)	China
<i>Neopanorpa claripennis</i> Carpenter (1938)	China
<i>Neopanorpa contracta</i> Cheng (1953)	India
<i>Neopanorpa cornuta</i> E.-P. (1915)	India
<i>Neopanorpa crinita</i> Chau & Byers (1978)	Sumatra
<i>Neopanorpa cuspidata</i> Byers (1965a)	Thailand
<i>Neopanorpa denticulata</i> Rust & Byers (1976)	India
<i>Neopanorpa diloba</i> Chau & Byers (1978)	Java
<i>Neopanorpa dimidiata</i> Navás (1930a)	China
<i>Neopanorpa dispar</i> Issiki & Cheng (1947)	Taiwan
<i>Neopanorpa dorsalis</i> Byers (1965a)	Vietnam
<i>Neopanorpa echinata</i> Rust & Byers (1976)	India
<i>Neopanorpa effusa</i> (Navás) Byers (1917a)	Nepal
= <i>Campodotecnum effusum</i> Navás (1913c)	
= <i>Leptopanorpa effusa</i> (Navás) E.-P. (1921)	India
<i>Neopanorpa fenestrata</i> (Needham) E.-P. (1915)	
= <i>Panorpa fenestrata</i> Needham (1909)	
<i>Neopanorpa flava</i> E.-P. (1915)	Sikkim
<i>Neopanorpa flavicauda</i> Banks (1930b)	Borneo
<i>Neopanorpa formosana</i> (Navás) E.-P. (1915)	Taiwan
= <i>Campodotecnum formosanum</i> Navás (1911)	
= <i>Panorpa formosana</i> (Navás) Miyake (1913)	
<i>Neopanorpa formosensis</i> Navás (1930c)	Taiwan
<i>Neopanorpa fractura</i> Chau & Byers (1978)	Sumatra
<i>Neopanorpa furcata</i> (Hardwicke) Byers (1971)	Nepal
= <i>Panorpa furcata</i> Hardwicke (1825)	
= <i>Leptopanorpa furcata</i> (Hardwicke) E.-P. (1915)	
<i>Neopanorpa fuscicauda</i> Chau & Byers (1978)	Java
<i>Neopanorpa gestroi</i> Navás (1929)	Burma
<i>Neopanorpa gibbosa</i> Rust & Byers (1976)	India
<i>Neopanorpa gradana</i> Cheng (1952)	Taiwan
<i>Neopanorpa harmandi</i> (Navás) Navás (1930c)	Thailand, Vietnam
= <i>Panorpa harmandi</i> Navás (1908)	
<i>Neopanorpa harmandi conjuncta</i> Navás (1930c)	Thailand
<i>Neopanorpa heii</i> Cheng (1949)	China
<i>Neopanorpa hirsuta</i> (Crampton) Carpenter (1931b)	India
= <i>Panorpa hirsuta</i> Crampton (1931)	

<i>Neopanorpa huangshana</i> Cheng (1957a)	China
<i>Neopanorpa hyalinata</i> E.-P. (1913)	Java
= <i>Campodotectum falcatum</i> Navás (1913c)	
<i>Neopanorpa indica</i> Rust & Byers (1976)	India
<i>Neopanorpa infuscata</i> Banks (1930a)	Malaysia, Thailand
<i>Neopanorpa k-maculata</i> Cheng (1952)	Taiwan
<i>Neopanorpa kwangtsehi</i> Cheng (1957a)	China
<i>Neopanorpa lacunaris</i> Navás (1930a)	China
<i>Neopanorpa latipennis</i> Cheng (1949)	China
<i>Neopanorpa lichuanensis</i> Cheng (1957b)	China
<i>Neopanorpa lieftincki</i> Chau & Byers (1978)	Sumatra
<i>Neopanorpa lungtausana</i> Cheng (1957b)	China
<i>Neopanorpa maai</i> Cheng (1957a)	China
<i>Neopanorpa magna</i> Issiki (1927)	Taiwan
<i>Neopanorpa makii</i> Issiki (1927)	Taiwan
<i>Neopanorpa mokansana</i> Cheng (1957b)	China
<i>Neopanorpa mulleri</i> (Weele) E.-P. (1915)	Java
= <i>Panorpa mulleri</i> Weele (1909)	
= <i>Panorpa mulleri ungaranensis</i> Weele (1909)	
<i>Neopanorpa mutabilis</i> Cheng (1957a)	China
<i>Neopanorpa nielseni</i> Byers (1965a)	Vietnam
<i>Neopanorpa nigritis</i> Carpenter (1938)	China
<i>Neopanorpa nipalica</i> (Navás) E.-P. (1915)	India, Sikkim
= <i>Panorpa nipalica</i> Navás (1910)	
= <i>Aulops suffusa</i> Navás (1913b)	
<i>Neopanorpa ocellaris</i> (Navás) E.-P. (1921)	Sikkim
= <i>Panorpa ocellaris</i> Navás (1908)	
<i>Neopanorpa ochrura</i> Rust & Byers (1976)	India
<i>Neopanorpa ornata</i> Byers (1965a)	Vietnam
<i>Neopanorpa ovata</i> Cheng (1957a)	China
<i>Neopanorpa panda</i> Byers (1965a)	Vietnam
<i>Neopanorpa parva</i> Carpenter (1945)	China
<i>Neopanorpa parvula</i> Willmann (1976)	Vietnam
<i>Neopanorpa pendulifera</i> Byers (1965a)	Thailand
<i>Neopanorpa pielina</i> Navás (1936)	China
<i>Neopanorpa pulchra</i> Carpenter (1945)	China
<i>Neopanorpa ramulata</i> Byers (1975a)	Nepal
<i>Neopanorpa salai</i> Navás (1928b)	India
<i>Neopanorpa sauteri</i> (E.-P.) E.-P. (1915)	Taiwan
= <i>Panorpa sauteri</i> E.-P. (1912)	
<i>Neopanorpa siamensis</i> Byers (1965a)	Thailand
<i>Neopanorpa sordida</i> (Needham) E.-P. (1915)	India
= <i>Panorpa sordida</i> Needham (1909)	
<i>Neopanorpa spatulata</i> Byers (1965a)	Thailand
<i>Neopanorpa spicata</i> Byers (1966)	Borneo
<i>Neopanorpa sumatrana</i> Chau & Byers (1978)	Sumatra
<i>Neopanorpa taoi</i> Cheng (1949)	China
<i>Neopanorpa thai</i> Byers (1965a)	Thailand
<i>Neopanorpa tienmushana</i> Cheng (1957a)	China
<i>Neopanorpa tiomanensis</i> Byers (1966)	Tioman Is.
<i>Neopanorpa translucida</i> Cheng (1957a)	China
<i>Neopanorpa tuberosa</i> Byers (1965a)	Thailand

<i>Neopanorpa umbonata</i> Chau & Byers (1978)	Sumatra
<i>Neopanorpa validipennis</i> Cheng (1949)	China
<i>Neopanorpa varia</i> Cheng (1949)	China
<i>Neopanorpa vietnamensis</i> Willmann (1976)	Vietnam
<i>Neopanorpa zebrata</i> E.-P. (1915)	India

PANORPA Linnaeus (1758)

=*Panorpha* (sic) Radermacher (1779)

=*Aulops* Enderlein (1910)

=*Estenalla* Navás (1912)

<i>Panorpa acuta</i> Carpenter (1931a)	U.S.A.
<i>Panorpa akasakai</i> Issiki (1929b)	Taiwan
<i>Panorpa alpina</i> Rambur (1842)	Europe
= <i>Aulops alpina</i> (Rambur) Enderlein (1910)	
= <i>Panorpa variabilis</i> Brauer (1857)	
<i>Panorpa americana</i> Swederus (1787)	U.S.A.
= <i>Panorpa fasciata</i> Fabricius (1793)	
<i>Panorpa amurensis</i> MacLachlan (1872)	eastern Asia
= <i>Aulops amurensis</i> (MacLachlan) Enderlein (1910)	
<i>Panorpa angustistriata</i> Issiki (1929b)	Taiwan
<i>Panorpa annexa</i> MacLachlan (1869)	France, Germany
= <i>Panorpa ghilianii</i> MacLachlan (1869)	
= <i>Panorpa adnexa</i> (sic) Navás (1927)	
<i>Panorpa annexa etrusca</i> Willmann (1976c)	Italy
<i>Panorpa anomala</i> Carpenter (1931a)	U.S.A.
= <i>Panorpa proximata</i> Carpenter (1931a)	
<i>Panorpa antiporum</i> Nagler (1968)	Romania
<i>Panorpa apiconebulosa</i> Issiki (1929b)	Taiwan
<i>Panorpa approximata</i> E.-P. (1915)	Korea
<i>Panorpa arakavae</i> Miyake (1913)	Japan
<i>Panorpa arcuata</i> (Navás) E.-P. (1915)	U.S.S.R.
= <i>Estenalla arcuata</i> Navás (1912)	
<i>Panorpa aspoECKi</i> Willmann (1973)	Turkey
<i>Panorpa aurea</i> Cheng (1957a)	China
<i>Panorpa azteca</i> Byers (1958)	Mexico
<i>Panorpa banksi</i> Hine (1901)	U.S.A.
= <i>Panorpa affinis</i> Banks (1895) (preoccupied)	
= <i>Panorpa chelata</i> Carpenter (1931a)	
<i>Panorpa banksiana</i> Penny & Byers n. novum	U.S.A.
= <i>Panorpa interrupta</i> Banks (1918) (preoccupied)	
<i>Panorpa baohwashana</i> Cheng (1957a)	China
<i>Panorpa bicornuta</i> MacLachlan (1887)	Japan
= <i>Aulops bicornuta</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa magnicauda</i> Miyake (1910)	
<i>Panorpa bifida</i> Carpenter (1935)	U.S.A.
<i>Panorpa bistrata</i> Issiki (1929b)	Taiwan
<i>Panorpa bonis</i> Cheng (1949)	China
<i>Panorpa braueri</i> Carpenter (1931a)	U.S.A.
<i>Panorpa brevitilana</i> Issiki (1929b)	Taiwan
<i>Panorpa bunun</i> Issiki (1929b)	Taiwan
<i>Panorpa carolinensis</i> Banks (1905)	U.S.A.
<i>Panorpa carpenteri</i> Cheng (1957a)	China
<i>Panorpa caucasica</i> MacLachlan (1869)	Iran
= <i>Aulops caucasica</i> (MacLachlan) Enderlein (1910)	

<i>Panorpa centralis</i> Tjeder (1936)	China
<i>Panorpa cheni</i> Cheng (1957a)	China
<i>Panorpa chiensis</i> Cheng (1953)	Korea
<i>Panorpa cladocerca</i> Navás (1935a)	China
<i>Panorpa claripennis</i> Hine (1901)	U.S.A.
<i>Panorpa clavigera</i> Klapálek (1902)	Asia, Europe
<i>Panorpa cognata</i> Rambur (1842)	western Europe
<i>Panorpa cognata osellai</i> Willmann (1976c)	Italy
<i>Panorpa communis</i> Linnaeus (1758)	Asia, Europe
= <i>Panorpa vulgaris</i> Imhoff & Labram (1845)	
<i>Panorpa communis raehelei</i> Lauterbach (1970)	Europe
<i>Panorpa concolor</i> E.-P. (1915)	Taiwan
<i>Panorpa connexa</i> MacLachlan (1869)	Caucasus Mts.
<i>Panorpa consuetudinis</i> Snodgrass (1927)	U.S.A.
= <i>Panorpa elaborata</i> Carpenter (1931a)	
<i>Panorpa coomani</i> Cheng (1957a)	China
<i>Panorpa coreana</i> Okamoto (1925)	Korea
<i>Panorpa cornigera</i> MacLachlan (1887)	Japan
= <i>Aulops cornigera</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa galloisi</i> Miyake (1911) (homonym) new synonymy	
= <i>Panorpa galloisi</i> Navás (1913) (homonym)	
<i>Panorpa cornigera fulvicaudaria</i> Miyake (1910)	Japan
<i>Panorpa curva</i> Carpenter (1938)	China
<i>Panorpa davidi</i> Navás (1908)	China
<i>Panorpa debilis</i> Westwood (1846)	U.S.A.
= <i>Panorpa canadensis</i> Banks (1895)	
<i>Panorpa deceptor</i> E.-P. (1913a)	Taiwan
<i>Panorpa dicerus</i> MacLachlan (1894)	China
= <i>Panorpa grahami</i> Carpenter (1938)	
<i>Panorpa difficilis</i> Carpenter (1938)	China
<i>Panorpa dissimilis</i> Carpenter (1931a)	U.S.A.
<i>Panorpa dubitans</i> Carpenter (1931a)	U.S.A.
<i>Panorpa emarginata</i> Cheng (1949)	China
<i>Panorpa esakii</i> Issiki (1929b)	Taiwan
<i>Panorpa falsa</i> Issiki & Cheng (1947)	Taiwan
<i>Panorpa flavicorporis</i> Cheng (1957a)	China
<i>Panorpa flavipennis</i> Carpenter (1938)	China
<i>Panorpa flexa</i> Carpenter (1935)	U.S.A.
<i>Panorpa fructa</i> Cheng (1949)	China
<i>Panorpa fukiensis</i> Tjeder (1951)	China
<i>Panorpa galerita</i> Byers (1962a)	North America
<i>Panorpa germanica</i> Linnaeus (1758)	western Europe
= <i>Panorpa affinis</i> Leach (1815)	
= <i>Panorpa apicalis</i> Stephens (1835)	
= <i>Panorpa montana</i> Brauer (1857)	
= <i>Panorpa gibberosa</i> MacLachlan (1869)	
= <i>Panorpa ruizi</i> Navás (1926e)	
= <i>Panorpa pirioni</i> Navás (1929) (nomen nudum)	
<i>Panorpa germanica riegeri</i> Lauterbach (1971)	Germany
<i>Panorpa germanica euboica</i> Lauterbach (1972)	Balkans of southern Europe
<i>Panorpa germanica graeca</i> Lauterbach (1972)	Greece
<i>Panorpa germanica rumelica</i> Lauterbach (1972)	Turkey

<i>Panorpa gokaensis</i> Miyake (1910)	Japan
<i>Panorpa gracilis</i> Carpenter (1931a)	U.S.A.
<i>Panorpa grahamana</i> Cheng (1957a)	China
<i>Panorpa gressitti</i> Byers (1970)	China
<i>Panorpa guttata</i> Navás (1908)	Tibet
<i>Panorpa hageniana</i> (Willmann) Willmann (1978)	Turkey
= <i>Panorpa turcica hageniana</i> Willmann (1975)	
<i>Panorpa hakusanensis</i> Miyake (1913)	Japan
<i>Panorpa hamata</i> Issiki & Cheng (1947)	Taiwan
<i>Panorpa helena</i> Byers (1962a)	U.S.A.
= <i>Panorpa venosa</i> authors, not Westwood (1846)	
<i>Panorpa horiensis</i> Issiki (1929a)	Taiwan
<i>Panorpa horni</i> Navás (1928)	U.S.S.R.
<i>Panorpa hungerfordi</i> Byers (1973)	U.S.A.
<i>Panorpa hybrida</i> MacLachlan (1882)	eastern Europe
= <i>Panorpa romanica</i> Bechet (1955)	
<i>Panorpa immaculata</i> E.-P. (1915)	Mexico
<i>Panorpa implicata</i> Cheng (1957a)	China
<i>Panorpa indivisa</i> Martynova (1957)	eastern U.S.S.R.
<i>Panorpa insolens</i> Carpenter (1935)	U.S.A.
<i>Panorpa isolata</i> Carpenter (1931a)	U.S.A.
= <i>Panorpa decorata</i> Carpenter (1931a)	
<i>Panorpa issikiana</i> Byers (1970)	China
<i>Panorpa issikii</i> Penny & Byers n. novum	Taiwan
= <i>Panorpa acuta</i> Issiki & Cheng (1947) (preoccupied)	
<i>Panorpa japonica</i> Thunberg (1784)	Japan
= <i>Aulops japonica</i> (Thunberg) Enderlein (1910)	
= <i>Panorpa macrogaster</i> MacLachlan (1867)	
= <i>Aulops macrogaster</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa japonica macrogaster</i> (MacLachlan) Miyake (1913)	
= <i>Panorpa irregularis</i> Miyake (1910)	
= <i>Panorpa nipponensis</i> Miyake (1908)	
= <i>Panorpa pulchra</i> Miyake (1908)	
= <i>Aulops pulchra</i> (Miyake) Enderlein (1910)	
= <i>Panorpa rectifasciata</i> Miyake (1908)	
= <i>Aulops rectifasciata</i> (Miyake) Enderlein (1910)	
= <i>Panorpa sinanoensis</i> Miyake (1908)	
= <i>Aulops sinanoensis</i> (Miyake) Enderlein (1910)	
= <i>Panorpa dyscola</i> Navás (1908) (female)	
= <i>Panorpa hageni</i> Navás (1909)	
= <i>Aulops interrupta</i> Navás (1913)	
= <i>Panorpa leucothyria</i> Navás (1908)	
= <i>Aulops leucothyria</i> (Navás) Navás (1911)	
<i>Panorpa kamikotiensis</i> Issiki (1929a)	Japan
<i>Panorpa kellogi</i> Cheng (1957b)	China
<i>Panorpa kimminsi</i> Carpenter (1948)	China
<i>Panorpa kirismaensis</i> Issiki (1929a)	Japan
<i>Panorpa kiusiuensis</i> Issiki (1929b)	Japan
<i>Panorpa klapperichi</i> Tjeder (1951)	China
<i>Panorpa klugi</i> MacLachlan (1867)	Japan
= <i>Aulops klugi</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa ochracea</i> Miyake (1908)	
= <i>Aulops ochracea</i> (Miyake) Enderlein (1910)	
= <i>Panorpa drouarti</i> Navás (1908)	
= <i>Aulops drouarti</i> (Navás) Navás (1911)	

= <i>Panorpa dyscola</i> Navás (1908) (male)	
= <i>Aulops dyscola</i> (Navás) Navás (1911)	
= <i>Aulops trisignata</i> Navás (1913b)	
<i>Panorpa komaensis</i> Okamoto (1925)	Korea
<i>Panorpa kongosana</i> Okamoto (1925)	Korea
<i>Panorpa lacedaemonia</i> Lauterbach (1972)	Greece
= <i>Panorpa germanica corcyraea</i> (Lauterbach) Ward (1978)	
<i>Panorpa iachlani</i> Navás (1930d)	Taiwan
<i>Panorpa latipennis</i> Hine (1901)	U.S.A.
= <i>Panorpa longipennis</i> Banks (1911)	
<i>Panorpa leei</i> Cheng (1949)	China
<i>Panorpa leucoptera</i> Uhler (1858)	Japan
= <i>Aulops leucoptera</i> (Uhler) Enderlein (1910)	
= <i>Panorpa nikkoensis</i> Miyake (1908)	
= <i>Aulops nikkoensis</i> (Miyake) Enderlein (1910)	
<i>Panorpa lewisi</i> MacLachlan (1887)	Japan
= <i>Aulops lewisi</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa chuzenjiensis</i> Miyake (1910)	
<i>Panorpa lintienschana</i> Cheng (1952)	Taiwan
<i>Panorpa longicornis</i> Carpenter (1931a)	U.S.A.
<i>Panorpa longiramina</i> Issiki & Cheng (1947)	Taiwan
<i>Panorpa longititilana</i> Issiki (1929b)	Taiwan
<i>Panorpa lugubris</i> Swederus (1787)	U.S.A.
= <i>Aulops lugubris</i> (Swederus) Enderlein (1910)	
= <i>Panorpa scorpio</i> Fabricius (1793)	
= <i>Bittacus scorpio</i> (Fabricius) Latreille (1807)	
<i>Panorpa lutea</i> Carpenter (1945)	China
<i>Panorpa maculosa</i> Hagen (1861)	U.S.A.
<i>Panorpa meridionalis</i> Rambur (1842)	southern Europe
<i>Panorpa mexicana</i> Banks (1913)	Mexico
<i>Panorpa mirabilis</i> Carpenter (1931a)	U.S.A.
<i>Panorpa mokansana</i> Cheng (1957b)	China
<i>Panorpa multifasciaria</i> Miyake (1910)	Japan
<i>Panorpa navasi</i> Issiki (1929a)	Japan
<i>Panorpa nebulosa</i> Westwood (1846)	U.S.A.
<i>Panorpa neglecta</i> Carpenter (1931a)	U.S.A.
<i>Panorpa nigrirostris</i> MacLachlan (1882)	Iran, U.S.S.R.
= <i>Panorpa selysi</i> E.-P. (1915)	
<i>Panorpa nipponensis</i> Navás (1908)	Japan
= <i>Aulops nipponensis</i> (Navás) Navás (1911)	
= <i>Panorpa brachypennis</i> Miyake (1908)	
= <i>Aulops brachypennis</i> (Miyake) Enderlein (1910)	
= <i>Aulops dentata</i> Navás (1913)	
= <i>Aulops picea</i> Navás (1913b)	
= <i>Aulops valignanii</i> Navás (1913b)	
= <i>Panorpa klugi maculata</i> Miyake (1913)	
= <i>Panorpa klugi quadrimaculata</i> Miyake (1913)	
<i>Panorpa nokoensis</i> Issiki (1929b)	Taiwan
<i>Panorpa nuptialis</i> Gerstaecker (1863)	U.S.A.
<i>Panorpa obliqua</i> Carpenter (1945)	China
<i>Panorpa obscura</i> Miyake (1910)	Japan
<i>Panorpa obtusa</i> Cheng (1949)	China
<i>Panorpa ochraceocauda</i> Issiki (1927)	Taiwan
<i>Panorpa ochraceopennis</i> Miyake (1910)	Japan

<i>Panorpa okamotoana</i> Issiki (1927)	Korea
<i>Panorpa ophthalmica</i> (Navás) Miyake (1913)	Taiwan
= <i>Neopanorpa ophthalmica</i> Navás (1911)	
<i>Panorpa orientalis</i> MacLachlan (1887)	Japan
= <i>Aulops melania</i> Navás (1912)	
= <i>Panorpa sachalinensis</i> Matsumura (1911)	
<i>Panorpa pallidimaculata</i> Issiki (1929b)	Taiwan
<i>Panorpa palustris</i> Byers (1958)	eastern U.S.A.
<i>Panorpa pectinata</i> Issiki (1929b)	Taiwan
<i>Panorpa penicillata</i> Byers (1962b)	Mexico
<i>Panorpa peterseana</i> Issiki (1927)	Taiwan
<i>Panorpa picta</i> Hagen (1863)	Causasus
<i>Panorpa pieli</i> Cheng (1957a)	China
<i>Panorpa pieperi</i> Willmann (1975)	Turkey
<i>Panorpa plitvicensis</i> Lauterbach (1972)	Yugoslavia
<i>Panorpa pryeri</i> MacLachlan (1875)	Japan
= <i>Aulops preyeri</i> (MacLachlan) Enderlein (1910)	
= <i>Panorpa bouvieri</i> Navás (1908)	
= <i>Aulops bouvieri</i> (Navás) Navás (1911)	
<i>Panorpa preyeri major</i> Miyake (1908)	Japan
<i>Panorpa pseudoalpina</i> Nagler (1970)	Romania
<i>Panorpa punctata</i> Klug (1838)	Mexico
<i>Panorpa pura</i> Klapálek (1906)	Asia, Europe
<i>Panorpa pusilla</i> Cheng (1949)	China
<i>Panorpa rantaisanensis</i> Issiki (1929b)	Taiwan
<i>Panorpa robusta</i> Carpenter (1931a)	U.S.A.
<i>Panorpa rufa</i> Gray (1832)	U.S.A.
<i>Panorpa rufescens</i> Rambur (1842)	U.S.A.
= <i>Panorpa venosa</i> Westwood (1846)	
= <i>Panorpa confusa</i> Westwood (1846)	
<i>Panorpa rufostigma</i> Westwood (1846)	Albania
<i>Panorpa schweigeri</i> Willmann (1975)	Turkey
<i>Panorpa semifasciata</i> Cheng (1949)	China
<i>Panorpa setifera</i> Webb (1974)	U.S.A.
<i>Panorpa sexspinosa</i> Cheng (1949)	China
<i>Panorpa shibatai</i> Issiki (1929b)	Taiwan
<i>Panorpa similis</i> E.-P. (1915)	U.S.S.R.
<i>Panorpa sigmoides</i> Carpenter (1931a)	U.S.A.
<i>Panorpa similis</i> E.-P. (1915)	Caucasus
<i>Panorpa sonani</i> Issiki (1929b)	Taiwan
<i>Panorpa speciosa</i> Carpenter (1931a)	U.S.A.
<i>Panorpa statura</i> Cheng (1949)	China
<i>Panorpa stigmalis</i> Navás (1908)	Tibet
= <i>Campodotecnum stigmalis</i> (Navás) Navás (1911)	
<i>Panorpa stotzneri</i> E.-P. (1934)	China
<i>Panorpa striata</i> Miyake (1908)	Japan
= <i>Aulops striata</i> (Miyake) Enderlein (1910)	
<i>Panorpa subfurcata</i> Westwood (1846)	U.S.A.
= <i>Panorpa signifer</i> Banks (1900)	
= <i>Panorpa modesta</i> Carpenter (1931a)	
<i>Panorpa submaculosa</i> Carpenter (1931a)	U.S.A.
= <i>Panorpa utahensis</i> Gurney (1937)	
<i>Panorpa subulifera</i> Byers (1962b)	U.S.A.

<i>Panorpa susteri</i> Nagler (1970)	Romania
<i>Panorpa taiheisanensis</i> Issiki (1929a)	Taiwan
<i>Panorpa taiwanensis</i> Issiki (1929b)	Taiwan
<i>Panorpa takenouchii</i> Miyake (1908)	Japan
= <i>Aulops takenouchii</i> (Miyake) Enderlein (1910)	
<i>Panorpa tatvana</i> Willmann (1974)	Turkey
<i>Panorpa tatvana resslii</i> Willmann (1975)	Turkey
<i>Panorpa terminata</i> Klug (1838)	Mexico
<i>Panorpa tetrazonia</i> Navás (1935a)	China
<i>Panorpa thompsoni</i> Cheng (1957b)	China
<i>Panorpa thrakica</i> Willmann (1976)	European Turkey
<i>Panorpa tincta</i> Navás (1931a)	China
<i>Panorpa titschacki</i> E.-P. (1934)	Greece
<i>Panorpa tjederi</i> Carpenter (1938)	China
<i>Panorpa trifasciata</i> Cheng (1957a)	China
<i>Panorpa trizonata</i> Miyake (1908)	Japan
= <i>Aulops trizonata</i> (Miyake) Enderlein (1910)	
<i>Panorpa tsunekatanus</i> Issiki (1929b)	Japan
<i>Panorpa turcica</i> Willmann (1975)	Turkey
<i>Panorpa turcica anatolica</i> Willmann (1975)	Turkey
<i>Panorpa turcica pontica</i> Willmann (1975)	Turkey
<i>Panorpa typicoides</i> Cheng (1949)	China
<i>Panorpa vernalis</i> Byers (1973)	U.S.A.
<i>Panorpa virginica</i> Banks (1906)	U.S.A.
<i>Panorpa waongkehzeni</i> Navás (1935a)	China
<i>Panorpa wormaldi</i> MacLachlan (1875)	Japan
= <i>Aulops wormaldi</i> (MacLachlan) Enderlein (1910)	
<i>Panorpa wrighti</i> Cheng (1957b)	China
<i>Panorpa yiei</i> Issiki & Cheng (1947)	Taiwan

Family PANORPODIDAE

BRACHYPANORPA Carpenter (1931a)

<i>Brachypanorpa carolinensis</i> (Banks) Carpenter (1931a)	U.S.A.
= <i>Panorpodes carolinensis</i> Banks (1905)	
<i>Brachypanorpa jaffersoni</i> Byers (1976)	U.S.A.
<i>Brachypanorpa montana</i> Carpenter (1931a)	U.S.A.
<i>Brachypanorpa oregonensis</i> (MacLachlan) Carpenter (1931a)	U.S.A.
= <i>Panorpodes oregonensis</i> MacLachlan (1881)	

PANORPODES MacLachlan (1875)

<i>Panorpodes apicalis</i> Miyake (1910)	Japan
= <i>Panorpa naevia</i> Navás (1909)	
<i>Panorpodes decorata</i> MacLachlan (1887)	Japan
= <i>Panorpodes notata</i> Navás (1909)	
<i>Panorpodes decorata confusa</i> Miyake (1913)	Japan
<i>Panorpodes decorata limbata</i> (Navás) Miyake (1913)	
= <i>Panorpa limbata</i> Navás (1909)	
<i>Panorpodes decorata singularis</i> (Miyake) Miyake (1913)	Japan
= <i>Panorpodes singularis</i> Miyake (1910)	
<i>Panorpodes komaensis</i> Okamoto (1925)	Korea
<i>Panorpodes paradoxa</i> MacLachlan (1875)	Japan
<i>Panorpodes paradoxa stigmatica</i> Miyake (1913)	Japan
<i>Panorpodes pulchra</i> Issiki (1927)	Japan

Resumo

Citamos de todas as espécies conhecidas de Mecoptera, com as citações bibliográficas originais e respectiva distribuição geográfica. Dados sobre a diversidade das famílias, gêneros e espécies são apresentados, bem como notadas duas homônimas e uma sinonímia.

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