A LIST OF THE NEUROPTERA OF NEW ZEALAND

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The purpose of this list is to bring the nomenclature of New Zealand Neuroptera up-to-date. Further information is given on a recently recorded Coniopterygid species and one species is removed from the New Zealand list. The distribution of genera and species is noted.

In order to determine the range of species within New Zealand, information on the furthest north and south records has been collated from data labels on specimens in the major collections in this country. Synonyms and references are restricted to those directly concerned in present-day nomenclature, or important New Zealand records.

Family CORYDALIDAE

Genus Archichauliodes Weele, 1909

Type species: Hermes diversus Walker (=Archichauliodes dubitatus Weele partim nec Walker).

DISTRIBUTION: New Zealand.

Archichauliodes diversus (Walker, 1853)


Type locality: New Zealand.

DISTRIBUTION: New Zealand.

NEW ZEALAND: Kerikeri (North I.), Dunedin (South I.).

Family CONIOPTERYGIDAE

Genus Cryptoscenea Enderlein, 1914

Type species: Helicoconis australiensis Enderlein.

DISTRIBUTION: Australia, New Zealand.

Cryptoscenea australiensis (Enderlein, 1906)


Type locality: New South Wales, Australia.

DISTRIBUTION: Australia, New Zealand.

NEW ZEALAND: Auckland (North I.), Nelson (South I.).

A specimen of this species, which confirms Tillyard's record (1926), has recently been found in the collections of Entomology Division, Nelson, N. Z. It is labelled, “Hastings, 25.11.21, J. G. Myers”, “Dead leaves Cordyline australis”, “Helicoconis novae-zelandiae n. sp. R. J. Tillyard det.”

Specimens were collected at Nelson, in April, 1962, by Mr. E. S. Gourlay, which extends the distribution to the South Island.

Family BEROTHIDAE

Genus Protobiella Tillyard, 1923

Type species: Protobiella zelandica Tillyard.

DISTRIBUTION: New Zealand.

Protobiella zelandica Tillyard, 1923


Type locality: Terakohe, nr. Takaka, Golden Bay, N. Z.

DISTRIBUTION: New Zealand.

NEW ZEALAND: Wayby Gorge, N. Auckland (North I.), Waitati nr. Dunedin (South I.).

Family HEMEROBIIDAE

Genus Drepanacra Tillyard, 1916

Type species: Drepanepteryx humilis McLachlan (now Drepanacra binocula (Newman) var. humilis (McLachlan)).

DISTRIBUTION: Australia, Lord Howe I., Norfolk I., Kermadec Is., New Zealand, Chatham Is.

Drepanacra binocula (Newman, 1838)

Drepanepteryx binocularus New., 1838, Ent. Mag. 5: 400.

Type locality: New Holland (Australia).

DISTRIBUTION: Australia, Lord Howe I., Norfolk I., Kermadec Is., New Zealand, Chatham Is.
NEW ZEALAND: Auckland (North I.), Tisbury nr. Invercargill (South I.); Chatham Is.

Tillyard (1923) established *Drepanacra binocula* (Newman) as the correct name of this very variable species, reducing species and varieties described by McLachlan (1863), Hare (1910), and himself (Tillyard, 1916, 1917) to varieties of *binocula*.

**Genus Micromus** Rambur, 1842

Type species: *Hemerobius variegatus* Fabricius.

**DISTRIBUTION:** World.

*Micromus tasmaniae* (Walker, 1860)


Type locality: Tasmania.

**DISTRIBUTION:** Tasmania, Australia, New Hebrides, Norfolk I., New Zealand, Chatham Is.

NEW ZEALAND: Paihia, N. Auckland (North I.), W. Plains nr. Invercargill (South I.); Chatham Is.

This species falls into the genus *Eumicromus* Nakahara, as keyed and described by Killington (1936), but *Eumicromus* has since been synonymised, with *Nesomicromus* Perkins, by Zimmerman (1957). More recently Tjeder (1961) has synonymised this generic complex under the name *Micromus*, so the present species should again be known as *Micromus tasmaniae*.

*Micromus bifasciatus* Tillyard, 1923


Type locality: W. Plains nr. Invercargill, N. Z.

**DISTRIBUTION:** New Zealand.

NEW ZEALAND: Gisborne (North I.), Tisbury nr. Invercargill (South I.).

**Genus Boriomyia** Banks, 1906

Type species: *Hemerobius disjunctus* Banks.

**DISTRIBUTION:** World.

*Boriomyia maorica* Tillyard, 1923


Type locality: Dunedin, N. Z.

**DISTRIBUTION:** New Zealand.

NEW ZEALAND: Auckland (North I.), Dunedin (South I.).
A group of species, originally in *Borioniya*, have been transferred to the genus *Kimminsia* by Killington (1937). Although *maorica* belongs to that group it has never actually been transferred and, as the question of *Borioniya* vs. *Kimminsia* is, at the present time, under discussion, this species is here retained in *Borioniya*.

Family OSMYLIDAE

Genus *Kempynus* Navás 1912

Type species: *Osmylus excisus* Navás (= *Osmylus incisus* McLachlan).

**DISTRIBUTION:** New Zealand, Australia, Chile.

*Kempynus incisus* (McLachlan, 1863)

*Osmylus (?) incisus* McL., 1863, Jour. Ent. 2: 112.


Type locality: Auckland, N. Z.

**DISTRIBUTION:** New Zealand.

NEW ZEALAND: Waipu (North I.), Otago (South I.).

Kimmins (1940) reviewed this and the other species of *Kempynus*.

*Kempynus citrinus* (McLachlan, 1873)


Type locality: New Zealand.

**DISTRIBUTION:** New Zealand.

NEW ZEALAND: Auckland (North I.), Wellington (North I.).

*Kempynus latiusculus* (McLachlan, 1894)


Type locality: Otira Gorge, N. Z.

**DISTRIBUTION:** New Zealand.

NEW ZEALAND: Whakapapaiti, Mt. Ruapehu (North I.), Otira and Waiho (South I.).

Genus *Euosmylus* Krüger, 1913

Type species: *Stenosmylus stellae* McLachlan.

**DISTRIBUTION:** New Zealand.

*Euosmylus stellae* (McLachlan, 1899)


Type locality: Wainuiomata nr. Wellington, N. Z.
DISTRIBUTION: New Zealand.

NEW ZEALAND: Tongariro (North I.), Arthurs Pass and Ashley Gorge (South I.).

Family MYRMELEONTIDAE

Genus Weeleus Navás, 1912

Type species: Myrmeleon acutus Walker, 1853.

DISTRIBUTION: New Zealand; elsewhere?

Weeleus acutus (Walker, 1853)


Type locality: New Zealand.

DISTRIBUTION: New Zealand.

NEW ZEALAND: Kerikeri (North I.), Wakatipu (South I.).

This insect is commonly known as Myrmeleon acutus. Tillyard (1926) rejected the genus Weeleus on the grounds that one of the main characters, which Navás (1912) named for separating the genus, is often absent. However, as the species acutus Walker is not congeneric with the type species of Myrmeleon, M. formicarius L., the genus Weeleus is here accepted.

A species removed from the New Zealand list

Cosina neozelandica Navás, 1912


Type locality: Navás recorded “Patria. Toba, Nueva Zelandica.”

This species is not known in New Zealand and there is no such place-name as Toba in this country.

The type specimen is in the British Museum (Nat. Hist.) collections. Following an enquiry, by the present author, Mr. D. E. Kimmins has advised (in pers. comm.) that the British Museum register number covered some Hymenoptera and two Neuroptera from Quetta, presented by the Quetta Museum. As there is a district named Toba, on the Afghanistan-Baluchistan border north of Quetta, this seems sufficient evidence for removing the species from the New Zealand list.

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REFERENCES


