

THE DRAGONFLIES OF THE WORLD:
A SYSTEMATIC LIST OF THE
EXTANT SPECIES OF ODONATA

Vol. 1

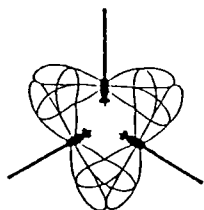
ZYGOPTERA, ANISOZYGOPTERA

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**THE DRAGONFLIES OF THE
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A systematic list of the extant
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Vol. 1

Zygoptera, Anisozygoptera

D. Allen L. Davies and Pamela Tobin

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INTRODUCTION

The assembly of the species lists (Vol. 1. Zygoptera, Anisozygoptera; Vol. 2. Anisoptera) is a consequence of the encouraging reception of our Generic Synopsis of 1981. From advice and opinions we have received from many friends a new edition of the Synopsis has been completed and will appear shortly; it has provided a modified suprageneric structure for the species lists. The definitions are cursory, indeed many are inadequate, especially among subfamilies, but an improved taxonomic framework requires much more study and is, to our knowledge, even now being attended to.

This should be regarded as a starting list. We hope it will be useful as a basis for adding the kinds of data needed for ecological and conservation studies as well as for taxonomists to build upon and improve. The synonymy included is aimed only to cover names encountered in fairly recent literature. We have omitted, with a degree of arbitrariness, many early names, mainly for some of the common European and N. American species where descriptions were brief and true identity is in doubt. Much synonymy certainly persists and we hope the lists will help to focus attention on genera in need of revision.

We have had to tread a devious path through opinions, recommendations and advice from many people, because different views are held on many things, taxonomic, linguistic, what kinds of data we might or might not have attempted to include, and so on. The original genus in which a species was described has been entered (in brackets) only for the type species of a genus (marked with an asterisk) and in monotypic genera where needed. Synonyms are included in their alphabetical position and marked as "(syn.....)", but also entered after the name now accepted, "(=....)"; the names unaccepted (for any reason) have no entry in the distribution column. Subspecies are also included in their alphabetical place, "(ssp. of)" and also after their parent species "(has ssp.)"; it need hardly be said that the designation of subspecies is, for the most part, poorly established even by the loosest definition; names still more poorly defined have been included under the noncommittal term 'form', ("form of" or "has form(s)"). Subgenera (sgen) are named in their alphabetical place but not numbered in the generic sequence; they are also listed after their parent genus and included in brackets after each of their species.

We have not made a sharp "cut off" date for entries but have attempted to include all species described up to the end of 1983; some 1984 entries have also been included. The number of species of Zygoptera in the list stands at 2362; it will be a matter of opinion as to whether the true figure is a few more or less than this. Also listed are 205 subspecies and 87 forms. No list is complete for long, however, and to our knowledge well over 250 new species are even now in the hands of odonatologists and awaiting names and descriptions; probably well over half of these are Zygoptera. We are aware of having omitted a small number of supposed subspecies and forms in cases where specimens have not, or are not likely to, become available for inspection for one reason or another. Space in the distribution column only allows us to provide two or three words of information and accuracy has suffered as a result. Names of countries are as they were when species were described (e.g. Ceylon or Sri Lanka) because in some instances today's political names refer to different physical boundaries.

We are grateful to the following friends and associates for help after reading the typescripts: Dr De Marmels (Maracay), Dr Donnelly (Binghampton), Dr Dumont (Gent), Robert Gambles (Reading), Rosser Garrison (Azusa, Calif.), Leonora Gloyd (Ann Arbor), Dr Howarth (Honolulu), Kiyoshi Inoue (Kyoto), Bastiaan Kiauta (Utrecht), Jean Legrand (Paris), Maurits Liefstinck (Rhenen), Angelo Machado (Belo Horizonte), the late Elwood Montgomery (Lafayette), Dennis Paulson (Seattle), Elliot Pinhey (Chepstow), Günther Theischinger (Sydney), Tony Watson (Canberra), Minter Westfall (Gainsville) and Bill Winstanley (Wellington). Professor Machado actually rewrote the whole of the Pseudostigmatidae for us. We are greatly indebted to Dr Mound, Department of Entomology, British Museum, for access to files and collections and to Steve Brookes of the same Department for sorting out numerous queries with kindly patience.

Finally, we apologise for the errors which will inevitably have escaped our notice and for which we, alone, are to be held responsible.

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1. Zygoptera

1.1. Calopterygoidea

1.1.1. Amphipterygidae

1.1.1.1. Amphipteryginae (3)

1.1.1.2. Philoganginae (1)

1.1.2. Calopterygidae

1.1.2.1. Caliphaeinae (2)

1.1.2.2. Calopteryginae (12)

1.1.2.3. Hetaerinae (2)

1.1.3. Chlorocyphidae (17)

1.1.4. Dictyristidae (3)

1.1.5. Diphlebiidae (1)

1.1.6. Euphaeidae (11)

1.1.7. Polythoridae

1.1.7.1. Euthorinae (1)

1.1.7.2. Miocorinae (4)

1.1.7.3. Polythorinae (3)

1.1.8. Rimantellidae (1)

1.2. Lestoidea

1.2.1. Chlorolestidae

1.2.1.1. Chlorolestinae (6)

1.2.1.2. Chorismagrioninae (1)

1.2.1.3. Megalestinae (1)

1.2.2. Lestidae

1.2.2.1. Lestinae (5)

1.2.2.2. Sympecmatinae (3)

1.2.3. Lestoideidae (1)

1.2.4. Megapodagrionidae

1.2.4.1. Argiolestinae (28)

1.2.4.2. Coryphagrioninae (1)

1.2.4.3. Hypolestinae (1)

1.2.4.4. Megapodagrioninae (4)

1.2.4.5. Philosininae (1)

1.2.4.6. Thaumatonurinae (1)

1.2.5. Perilestidae (3)

1.2.6. Pseudolestidae (3)

1.3. Hemiphlebioidea

1.3.1. Hemiphlebiidae (1)

1.4. Coenagrionoidea

1.4.1. Coenagrionidae

1.4.1.1. Agriocnemidinae (5)

1.4.1.2. Arginae (7)

1.4.1.3. Coenagrioninae (10)

1.4.1.4. Ischnurinae (30)

1.4.1.5. Leptobasinae (8)

1.4.1.6. Pseudagrioninae (25)

1.4.2. Isostictidae (7)

1.4.3. Platycnemididae

1.4.3.1. Calicnemidinae (21)

1.4.3.2. Platycnemidinae (2)

1.4.4. Platystictidae

1.4.4.1. Palaemnemininae (1)

1.4.4.2. Platystictinae (3)

1.4.5. Protoneuridae

1.4.5.1. Caconeurinae (4)

1.4.5.2. Disparoneurinae (6)

1.4.5.3. Protoneurinae (12)

1.4.6. Pseudostigmatidae (5)

2. Anisozygoptera

2.1.1. Epiophlebiidae (1)

Odonata (Fabricius 1783): predacious insects with biting mouthparts and two equal or subequal pairs of elongate membranous wings, each wing with a complex reticulation of small cross veins and usually a conspicuous pterostigma. Eyes very large and prominent; antennae very short and filiform. Abdomen elongate, often extremely slender. Male accessory genital armature developed under 2nd and 3rd abdominal segments. Larvae usually aquatic, hemimetabolous; labium developed into a prehensile organ; respiration by means of caudal lamellae, rectal or occasionally lateral abdominal gills.

1. Zygoptera. 'Damselflies'. More or less delicate build, with eyes separated by a space greater than their dorsal diameter. Wings usually held closed over abdomen in repose; fore and hind wings closely alike with narrow basal area. Dc a simple quadrilateral with the proximal side formed by the lower part of the arculus. Nodus in proximal half of costa. Male with two pairs of anal appendages, the inferior pair being below the anus. Male penile organ belongs to the second abdominal segment. Females with complete ovipositor. Larva with three caudal gills.

1.1. Calopterygoidea (Agrioidea). Medium to large Zygoptera with broad wings, frequently coloured with metallic sheen and having closely reticulated veins. Usually 5 or more antenodals, most often numerous; postnodals usually not aligned with cross veins beneath. Dc long, rectangular and usually crossed. IRiii and Riv arising closer to arc than to nodus. Riii arising at nodus, anal vein separate from wing border from base. First thoracic suture complete (except in Amphipterygidae and Chlorocyphidae). Larva with triquetral or saccoidal (Amphipterygidae, Chlorocyphidae) anal gills: labium usually deeply indented.

1.1.1. Amphipterygidae. Medium sized forms, sturdy with long narrow petiolate wings. Some accessory antenodals (6-12); IRiii and Riv recessed close to arc; primary antenodals evident. Base of Dc connected to radius by arc. Rii-iii not arched forward near origin. Larva with saccoid caudal gills.

1.1.1.1. Amphipteryginae. Secondary antenodals in costal space only: prox. ends of IRiii and Riv close and near arc. Dc long and narrow (not in Devadatta). Larva with gill tufts.

1.1.1.1.1. Amphipteryx Selys, 1853

agrioidea Selys, 1853: 20, 66.

C.America

1.1.1.1.2. Devadatta Kirby, 1890

(= Tetraneura Selys, 1859)

- * argioides Selys, 1859: 7, 449, (Tetraneura). S.E.Asia
(has ssp. tiomanensis)
- basilanensis Laidlaw, 1934: 3, 120. Philippines
(ssp. of podolestoides)
- ducatrix Lieftinck, 1969: 16, 205. China
- filipina Needham & Gyger, 1939: 70, 257. Philippines
- multinervosa Fraser, 1933: 9, 129. Laos
- podolestoides Laidlaw, 1934: 3, 101. Borneo
(has ssp. basilanensis)
- tiomanensis Laidlaw, 1934: 3, 101. Johore
(ssp. of argioides)

1.1.1.1.3. Pentaphlebia Foerster, 1909

- gamblesi Parr, 1977: 6, 77. Nigeria
- * stahli Foerster, 1909: 62, 213. W.Africa

1.1.1.2. Philoganginae. Secondary antenodals in costal and sub-costal spaces; prox. ends of R_{1+2} and R_{4+5} widely spaced and midway between nodus and arc. Dc broad and short.

1.1.1.2.1. Philoganga Kirby, 1890

(= Anisoneura Selys, 1859)

- loringae Fraser, 1927: 29, 79 Burma
- * montana Selys, 1859: 7, 444, (Anisoneura) N.India
- robusta Navas, 1936: 3, 43. China
- vestusta Ris, 1912: 1, 47. China

1.1.2. Calopterygidae. Medium sized forms, wings usually coloured in males, less often in females. Antenodals numerous, primaries not apparent; base of Dc connected to radius by arc. Wings densely reticulated, not petiolate. Arc near wing base, its sectors arising near CuP. Stigma often reduced, especially in males. $R_{1+2}+R_{3+4}$ fused with R_1 near origin. Dc long and traversed by many veins. First thoracic suture complete.

1.1.2.1. Caliphaeinae. Wings hyaline and petiolate to level of anal tracheal crossing; Dc with straight upper side and crossed; CuP and $1A$ straight. Median space uncrossed. One row of cells between anal vein and post. border of wing.

1.1.2.1.1. Caliphaea Selys, 1859

(= Notholestes McLachlan, 1887)

- * confusa Selys, 1859: 7, 440. India/China
(= consimilis; = elwesii)
- consimilis McLachlan, 1894: 8, 434.
(syn. confusa)

- 1.1.2.1.1. *elwesii* McLachlan, 1887: 24, 32.
(syn. *confusa*)
thailandica Asahina, 1976: 44, 387. Thailand
- 1.1.2.1.2. *Noguchiphaea* Asahina, 1976
yoshikoae Asahina, 1976: 44, 387. Thailand
- 1.1.2.2. *Calopteryginae*. Wings broad. Sectors of arc arising from its mid-point. Basal space usually not crossed. CuP straight; wings usually coloured in males.
- 1.1.2.2.-. *Anaciagrion* Kennedy, 1920
(sgen. of *Calopteryx*)
- 1.1.2.2.1. *Archineura* Kirby, 1894
(= *Leucopteryx* Fraser, 1933)
basilactea Kirby, 1894: 13, 86.
(syn. *incarnata*)
hetaerinoide's Fraser, 1933: 9, 125. Laos
* *incarnata* Karsch, 1892: 36, 455. China
(= *basilactea*)
- 1.1.2.2.2. *Calopteryx* Leach, 1815
(= *Agrion* Fabr., 1775; has sgen. *Anaciagrion*)
aequabilis Say, 1839: 33 N.America
(= *hudsonica*; = *virginica* Selys;
has ssp. *californica*; *coloradica* & *yakima*)
amasina Bartenev, 1911: 138. Asia Minor
(ssp. of *splendens*)
amata Hagen, 1889: 5, 244 N.America
anceps Stephens, 1836: 6, 80.
(syn. *virgo*)
ancilla Selys, 1853: 13. E.Europe
angustipennis Selys, 1853: 9. N.America
(= *elegans*)
apicalis Burmeister, 1839: 2, 827.
(syn. *dimidiata*)
atrata Selys, 1853: 16. E.Asia
(= *smaragdina*)
atrocyana Fraser, 37, 330. China
balcanica Fudakowski, 1930: 9, 57. Balkans
(ssp. of *splendens*)
britannica Conci, 1952: 24, 67. England
(ssp. of *virgo*)
californica Kennedy, 1917: 52, 484. U.S.A.
(ssp. of *aequabilis*)
caprai Conci, 1956: 60. Italy
(ssp. of *splendens*)
cartvelica Bartenev, 1930: 58, 524. S.Russia
(ssp. of *splendens*)

1.1.2.2.2.	<i>cecilia</i> Bartenef, 1911: 131. (ssp. of <i>intermedia</i>)	Armenia
	<i>ciscaucasica</i> Bartenef, 1924: <u>11</u> , 18. (ssp. of <i>splendens</i>)	Caucasus
	<i>cognata</i> Rambur, 1842: 222. (syn. <i>dimidiata</i>)	
	<i>colchius</i> Eichwald, 1937: <u>1</u> , 272. (syn. <i>virgo</i>)	
	<i>coloradica</i> Cockerell, 1913: <u>20</u> , 173. (ssp. of <i>aequabilis</i>)	N.America
	<i>coomani</i> Fraser, 1935: <u>37</u> , 331.	China
	<i>cornelia</i> Selys, 1853: 15. (sgen. <i>Anaciagrion</i>)	Japan
	<i>cretenis</i> Pongracz, 1911: <u>9</u> , 324. (form of <i>splendens</i>)	
	<i>dimidiata</i> Burmeister, 1839: <u>2</u> , 829. (= <i>apicalis</i> ; = <i>cognata</i>)	N.America
	<i>elegans</i> Hagen, 1853: 9. (syn. <i>angustipennis</i>)	
	<i>erevanensis</i> Akramowski, 1948: <u>5</u> , 139. (ssp. of <i>splendens</i>)	Armenia
	<i>exul</i> Selys, 1853: 12.	Algeria
	<i>faivreii</i> Lacroix, 1915: 109. (ssp. of <i>splendens</i>)	France
	<i>feminalis</i> Bartenef, 1910: <u>10</u> , 34. (form of <i>virgo</i>)	
	<i>festiva</i> Brulle, 1832: <u>2</u> , 103. (ssp. of <i>virgo</i>)	Balkans
	<i>floridana</i> Huggins, 1927: <u>52</u> , 384. (syn. <i>maculata</i>)	
	<i>fusca</i> Valle, 1927: <u>56</u> , 7. (form of <i>virgo</i>)	Finland
	<i>grandaeva</i> Selys, 1853: 16.	China
	<i>haemorrhoidalis</i> Vanderlinden, 1825: 34. (has ssp. <i>occasi</i>)	S.Europe
	<i>holosericea</i> Burmeister, 1839: <u>2</u> , 828. (syn. <i>maculata</i>)	
	<i>hudsonica</i> Hagen, 1875: <u>18</u> , 22. (syn. <i>aequabilis</i>)	
	<i>hyalina</i> Martin, 1909: 213.	Syria
	<i>intermedia</i> Selys, 1890: 3. (has ssp. <i>cecilia</i> & <i>persica</i>)	S.W.Asia
	<i>japonica</i> Selys, 1869: <u>27</u> , 647.	Japan
	<i>laosica</i> Fraser, 1933: <u>9</u> , 128.	Laos
	<i>ludiviciiana</i> Selys, 1840: 131. (syn. <i>splendens</i>)	

- 1.1.2.2.2. *maculata* Beauvois, 1805: 85. N.America
 (= *floridana*; = *holosericea*; = *materna*;
 = *opaca*; = *papilionaria*)
- materna* Say, 1839: 8, 32.
 (syn. *maculata*)
- melli* Ris, 1912: 1, 55. China
- meridionalis* Selys, 1853: 13. S.Europe
 (ssp. of *virgo*)
- mingrellica* Selys, 1868: 12, 106. W.Caspian
 (ssp. of *splendens*)
- occasi* Capra, 1945: 62, 257. Italy
 (ssp. of *haemorrhoidalis*)
- opaca* Say, 1839: 8, 32.
 (syn. *maculata*)
- orientalis* Selys, 1890: 3. Caspian area
 (has ssp. *risi*)
- padana* Conci, 1956: 56. S.Europe
 (ssp. of *virgo*)
- papilionaria* Rambur, 1842: 222.
 (syn. *maculata*)
- parthenias* Charpentier, 1840: 137.
 (syn. *splendens*)
- persica* Bartenev, 1911: 16, 440. Persia
 (ssp. of *intermedia*)
- pfeifferi* Goetz, 1923: 13, 37. Portugal
 (ssp. of *splendens*)
- risi* Schmidt, 1954: 163, 241. Persia
 (ssp. of *orientalis*)
- samarcandica* Bartenev, 1911: 16, 439. Samarkand
- shachrudica* Bartenev, 1916: 43. Persia
 (form of *splendens*)
- smaragdina* Selys, 1853: 16.
 (syn. *atrata*)
- splendens* Harris, 1782: 30, 1. W.Eurasia
 (= *ludoviciana*; = *parthenias*; has ssp. *amasina*;
balcanaica; *caprai*; *cartvelica*; *ciscaucasica*;
erevanensis; *faivreii*; *mingrellica* & *pfeifferi*;
 has forms *cretenis* & *shachrudica*)
- syriaca* Rambur, 1842: 223. Mesopotamia
- taurica* Selys, 1853: 13. Crimea
 (has ssp. *tschaldirica*)
- transcaspica* Bartenev, 1911: 16, 440. Russia
- tschaldirica* Bartenev, 1909: 69. Crimea
 (ssp. of *taurica*)
- unicolor* Bartenev, 1912: 27. Turkestan
- vesta* Charpentier, 1840: 136.
 (syn. *virgo*)

- 1.1.2.2.2. *virginica* Selys, 1853: 11.
(syn. *aequabilis*)
- * *virgo* Linnaeus, 1758: 17, (*Libellula*).
(= *anceps*; = *colchius*; = *vesta*; has ssp. *britannica*;
festiva; *meridionalis*; *padana*; forms *feminalis*
and *fusca*)
- waterstoni* Schneider, 1984: 13, 281. Turkey
- xanthostoma* Charpentier, 1825: 5. S.W. Europe
- yakima* Hagen, 1889: 5, 248. N.America
(ssp. of *aequabilis*)
- 1.1.2.2.3. *Echo* Selys, 1853
(incl. *Climacobasis* Laidlaw, 1929)
- iricolor* Krueger, 1898: 59, 72.
(syn. *uniformis*)
- lugens* Laidlaw, 1902: 1, 85.
(syn. *modesta*)
- * *margarita* Selys, 1853: 19. India
(has ssp. *tripartita*)
- maxima* Martin, 1904: 111, 219. China
- modesta* Laidlaw, 1902: 1, 84. S.E.Asia
(= *lugens*)
- tripartita* Selys, 1879: 47, 356. Assam
(ssp. of *margarita*)
- uniformis* Selys, 1879: 47, 357. Sumatra
(= *iricolor*)
- 1.1.2.2.4 *Iridictyon* Needham & Fisher, 1940
- * *myersi* Needham & Fisher, 1940: 1081, 1. Guiana
- trebbau* Racenis, 1967: 28, 171. Venezuela
- 1.1.2.2.5 *Matrona* Selys, 1853
- * *basilaris* Selys, 1853: 17. E.Asia
(has form *nigripicta*)
- grahami* Needham, 1930: 11, 195.
(syn. *oberthuri*)
- kricheidorffi* Karsch, 1892: 36, 456. China
- nigripicta* Selys, 1897: 47, 355. Assam
(form of *basilaris*)
- oberthuri* McLachlan, 1894: 13, 433. China
(= *grahami*)
- 1.1.2.2.6. *Mnais* Selys, 1853
- andersoni* McLachlan, 1873: 35, 472. S.E.Asia
- auripennis* Needham, 1930: 11, 208. China
- costalis* Selys, 1869: 27, 651. Japan
(ssp. of *pruinosa*, has forms *edai* & *ogumai*)
- decolorata* Bartenev, 1912: 17, 306. Kausu
- earnshawii* Williamson, 1904: 28, 185. S.E.Asia
(has ssp. *thoracica* ; [= *mneme*])

- 1.1.2.2.6. edai Asahina, 1976: 19, 3. Japan
 (form of pruinosa costalis)
- esakii Asahina, 1976: 19, 3. Japan
 (form of pruinosa pruinosa)
- gregoryi Fraser, 1924: 19, 457. China
- icteroptera Fraser, 1929: 33, 590. Burma
- incolor Martin, 1921: 90, 96. Laos
- kadowakii Asahina, 1976: 19, 3. Japan
 (form of pruinosa nawai)
- maclachlani Fraser, 1924: 19, 458. China
- mneme Ris, 1916: 5, 11.
 (syn. earnshawii thoracicus)
- nawai Asahina, 1976: 19, 3. Japan
 (ssp. of pruinosa, has forms kadowakii,
 sahoi & taketoi)
- ogumi Asahina, 1976: 19, 3. Japan
 (form of pruinosa costalis)
- pieli Navas, 1936: 3, 42. China
- * pruinosa Selys, 1853: 20.
 (= strigata; has ssp. costalis [with forms
 edai & ogumai]; ssp. nawai [with forms
 kadowakii, sahoi & taketoi]; ssp. pruinosa
 [with forms esakii & shirozui])
- sahoi Asahina, 1976: 19, 3. Japan
 (form of pruinosa nawai)
- semiopaca May, 1935: 17, 103. China
- shirozui Asahina, 1976: 19, 3. Japan
 (form of pruinosa pruinosa)
- strigata Selys, 1853: 20.
 (syn. pruinosa)
- taketoi Asahina, 1976: 19, 3. Japan
 (form of pruinosa nawai)
- tenuis Oguma, 1913: 5, 156.. Japan
- thoracica May, 1935: 17, 102. China
 (ssp. of earnshawii, = mneme)
- 1.1.2.2.7. Neurobasis Selys, 1853
 (incl. Matronoides Foerster, 1897)
- anderssoni Sjoestedt, 1926: 247. China
- australis Selys, 1897: 41, 428. New Guinea
 (= leopoldi; = paradisearum; has ssp. to N. Australia
 misoolensis)
- * chinensis Linnaeus, 1758: 545, (Libellula). E. Asia
 (= disparilis; = nobilitata; = sinensis;
 has ssp. longipes; has form florida)
- cyaneipennis Foerster, 1896: 16, 101. Borneo
- disparilis Rambur, 1842: 224.
 (syn. chinensis)

- 1.1.2.2.7. *florida* Walker, 1853: 4, 603. Java
(form of *chinensis*)
- ianthinipennis* Lieftinck, 1949: 5, 22. New Guinea
- kaupi* Brauer, 1867: 17, 293. Celebes
(has ssp. *pavo*)
- kimminsi* Lieftinck, 1955: 6, 163. New Guinea
- leopoldi* Fraser, 1932: 3, 12.
(syn. *australis*)
- longipes* Hagen, 1887: 37, 648. Borneo
(ssp. of *chinensis*)
- luzoniensis* Selys, 1879: 47, 360. Philippines
- misoolensis* Lieftinck, 1955: 6, 161. Misool Is.
(ssp. of *australis*)
- nobilitata* Fabricius, 1776: 248.
(syn. *chinensis*)
- paradisearum* Foerster, 1898: 21, 296.
(syn. *australis*)
- pavo* Lieftinck, 1955: 6, 158. Celebes
(ssp. of *kaupi*)
- sinensis* Walker, 1853: 4, 603.
(syn. *chinensis*)
- 1.1.2.2.8. *Phaon* Selys, 1853
(incl. *Prophaon* Fraser, 1941)
- camereunica* Sjoestedt, 1900: 2, 48. Cameroons
(= *fraseri*)
- fraseri* Pinhey, 1962: 59, 143.
(syn. *camereunica*)
- fuliginosus* Selys, 1829: 47, 359 Madagascar
(form of *iridipennis*)
- * *iridipennis* Burmeister, 1839: 827, (*Calopteryx*). Africa
(= *occidentalis*; = *rasoherinae*; has form
fuliginosus)
- occidentalis* Foerster, 1906: 32.
(syn. *iridipennis*)
- rasoherinae* Fraser, 1949: 32.
(syn. *iridipennis*)
- 1.1.2.2.9. *Psolodesmus* McLachlan, 1870
- dorothea* Williamson, 1904: 15, 249. Formosa
(ssp. of *mandarinus*)
- kuroiwa* Matsumura in Oguma, 1913: 5, 153. Ryu Kyu Is.
(ssp. of *mandarinus*)
- * *mandarinus* McLachlan, 1870: 165. China
(has ssp. *dorothea* & *kuroiwa*)
- 1.1.2.2.10. *Sapho* Selys, 1853
- bicolor* Selys, 1853: 21. W. Africa
(= *superba*)

- 1.1.2.2.10. * *ciliata* Fabricius, 1781: 1, 538, (Agrion) W.Africa
fumosa Longfield, 1932: 1, 206. Sierra Leone
gloriosa Selys, 1873: 36, 611. W.Africa
orichalcea McLachlan, 1869: 6, 27. W.Africa
(= *venusta*)
puella Sjoestedt, 1917: 11, 7. Cameroons
superba Sjoestedt, 1917: 11, 10.
(syn. *bicolor*)
venusta Karsch, 1889: 15, 233
(syn. *orichalcea*)
- 1.1.2.2.11. *Umma* Kirby, 1896
(= *Cleis* Selys, 1853)
- * *cincta* Hagen in Selys, 1853: 56, (*Cleis*) C. & W.Africa
declivia Foerster, 1906: 71, 51. C.Africa
distincta Longfield, 1933: 2, 139. Rhodesia
electa Longfield, 1933: 2, 139. Congo
femina Longfield, 1947: 16, 20. Angola
fuscomarginis Sjoestedt, 1900: 25, 45.
(syn. *mesostigma*)
infumosa Fraser, 1951: 18, 98. W.Africa
longistigma Selys, 1869: 27, 650. C. & W.Africa
mesostigma Selys, 1879: 47, 358. C. & W.Africa
(= *fuscomarginis*; = *monostigma*; = *splendida*)
monostigma Kirby, 1900: 100.
(syn. *mesostigma*)
purpurea Pinhey, 1960: 96, 264. W.Africa
saphirina Foerster, 1916: 1, 23. C. & W.Africa
splendida Navas, 1922: 4, 113.
(syn. *mesostigma*)
- 1.1.2.2.-. *Vestalaria* May, 1935
(sgen. of *Vestalis*)
- 1.1.2.2.12. *Vestalis* Selys, 1853
(has sgen. *Vestalaria* May, 1935 & *Vestinus* Kennedy, 1920)
amabilis Lieftinck, 1965: 108, 349, (sgen. *Vestinus*). Borneo
amaryllis Lieftinck, 1965: 108, 345, (sgen. *Vestinus*). Borneo
amethystina Lieftinck, 1965: 108, 343, (sgen. *Vestinus*). Borneo
amnicola Lieftinck, 1965: 108, 349, (sgen. *Vestinus*). Borneo
amoena Selys, 1853: 25, (sgen. *Vestinus*). S.E. Asia
anacolosia Lieftinck, 1965: 108, 353, (sgen. *Vestinus*). Borneo
apicalis Selys, 1873: 36, 612, (sgen. *Vestinus*). India
(has ssp. *submontana* & *nigrescens*)
atropha Lieftinck, 1965: 108, 351, (sgen. *Vestinus*). Borneo
beryllae Laidlaw, 1915: 2, 273, (sgen. *Vestinus*). Borneo

- 1.1.2.2.12. *formosa* Rambur, 1842: 225
(syn. *luctuosa*)
- gracilis* Rambur, 1842: 224, (sgen. *Vestinus*). India - China
(has ssp. *montana*)
- * *luctuosa* Burmeister, 1839: 2, 828. Java
(= *formosa*)
- lugens* Selys, 1879: 47, 361. Malaysia
- melania* Selys, 1873: 35, 474. Philippines
- montana* Fraser, 1934: 128, 130.
(ssp. of *gracilis*)
- nigrescens* Fraser, 1929: 33, 584. Ceylon
(ssp. of *apicalis*)
- smaragdina* Selys, 1897: 362, (sgen. *Vestalaria*). Assam
(has ssp. *velata*)
- submontana* Fraser, 1934: 130. India
(ssp. of *apicalis*)
- velata* Ris, 1912: 1, 56. China
(ssp. of *smaragdina*)
- virens* Needham, 1930: 11, 199. (sgen. *Vestalaria*). China
- 1.1.2.2.-. *Vestinus* Kennedy, 1920 (sgen. of *Vestalis*).
- 1.1.2.3. *Hetaerinae*. Medium sized with narrow wings. Usually red at wing base in males (not in *Mnesarete*). Sectors of arc arising from lowest point of arc; basal space traversed; Dc with strongly curved upper side; CuP and anal vein sigmoid.
- 1.1.2.3.1. *Hetaerina* Selys, 1853
- albistigma* Hagen in Selys, 1853: 45. Venezuela
- amazonica* Sjoestedt, 1918: 11, 36. Brasil
- americana* Fabricius, 1798: 287. N.America
(= *basalis*; = *californica*; = *pseudamericana*;
= *sclerata*; = *texana*).
- asticta* Selys, 1873: 35, 481.
(syn. *macropus*)
- auripennis* Burmeister, 1839: 2, 827. Brasil
- aurora* Ris, 1918: 82, 58. Colombia
- basalis* Say, 1839: 8, 35.
(syn. *americana*)
- basalis* Hagen in Selys, 1859: 7, 441.
(syn. *americana*)
- bipartita* Selys, 1873: 35, 481.
(syn. *titia*)
- borchgravi* Selys, 1869: 27, 658. Brasil
- brasiliensis* Selys, 1853: 40.
(syn. *cruentata*)
- brevistyla* Selys, 1879: 367.
(syn. *sanguinea*)

- 1.1.2.3.1. moribunda Selys, 1853: 42. Guiana
 mortua Hagen in Selys, 1853: 35. Guiana
 occisa Hagen, 1853: 44.
 (syn. macropus)
 papavarina Fraser, 1946: 96, 33. Peru
 perplex Selys, 1869: 27, 655.
 (syn. simplex)
 pilula Calvert, 1901: 33. Mexico
 proxima Selys, 1853: 38. Brasil
 pseudamericana Walsh, 1863: 2, 223.
 (syn. americana)
 rosea Selys, 1853: 31. Brasil
 rudis Calvert, 1901: 40. C.America
 rupamnensis Walsh, 1863: 2, 230.
 (syn. titia)
 rupinsulensis Walsh, 1862: 383
 (syn. titia)
 sanguinea Selys, 1853: 31. S.America
 (= brevistyla)
 sanguinolenta Selys, 1853: 35. Brasil
 sclerata Walsh, 1863: 2, 267.
 (syn. americana)
 sempronina Hagen in Selys, 1853: 45. C. & S.America
 septentrionalis Selys, 1853: 36. N.America
 simplex Selys, 1853: 30. S.America
 (= perplex)
 sublimbata Selys, 1873: 36, 613.
 (syn. macropus)
 texana Walsh, 1863: 2, 227.
 (syn. americana)
 titia Drury, 1773: 45, 5. C.America
 (= bipartita; = limbata; = rupamnensis;
 = rupinsulensis; has form tricolor)
 tolteca Calvert, 1901: 40. Mexico
 tricolor Burmeister, 1839: 2, 827. N.America
 (form of titia)
 vulnerata Hagen in Selys, 1853: 40. C. & S.America
 westfalli Racenis, 1968: 28, 164. Venezuela
- 1.1.2.3.2. Mnesarete Cowley, 1934
 (= Lais Selys, 1853)
 aenea Selys, 1853: 28. Brasil
 cupraea Selys, 1853: 28. Brasil
 devillei Selys, 1880: 23, 1. Ecuador
 fulgida Selys, 1879: 47, 365
 (syn. hauxwelli)

- 1.1.2.3.2. *globifer* Hagen in Selys, 1853: 27. Brasil
grisea Ris, 1918: 82, 41. Argentina
guttifera Selys, 1873: 35, 475. Brasil
hauxwelli Selys, 1869: 27, 654. Peru
(= *fulgida*)
hincksi Fraser, 1946: 96, 26. Colombia
* *hyalina* Hagen in Selys, 1853: 28, (Lais) Brasil
imperatrix McLachlan, 1878: 85. Ecuador
marginata Selys, 1879: 47, 366. Peru
metallica Selys, 1869: 27, 654. S.America
pruinosa Hagen in Selys, 1853: 28. Brasil
pudica Hagen in Selys, 1853: 29. Brasil
regina Ris, 1918: 82, 49. Bolivia
rollinati Martin, 1897: 66, 592. Bolivia
saltuum Ris, 1918: 82, 44. Peru
scintilla Racenis, 1968: 28, 167. Venezuela
smaragdina Selys, 1869: 27, 652. Brasil
- 1.1.3. Chlorocyphidae (Libellaginidae). Small stout species with petiolate wings usually longer than abdomen. Clypeus prominent. Primary antenodals evident, 5 to 10 secondaries but none proximal to primaries, IRiii and Riv recessed. Rii-iii usually strongly arched forward near origin. Upper segment of arc touching radius. Intercalary sectors present. IA absent in Disparocypha. Old World.
- 1.1.3.1.1. *Africocypha* Pinhey, 1961
greyi Pinhey, 1961: 96, 261.
(syn. *lacuselephantum*)
* *lacuselephantum* Karsch, 1899: 25, 165, (Libellago) Cameroons
(= *greyi*; = *ntaali*)
ntaali Pinhey, 1961: 96, 263.
(syn. *lacuselephantum*)
- 1.1.3.1.2. *Aristocypha* Laidlaw, 1950
adamantina Foerster, 1903: 1, 547.
(syn. *cuneata*)
baibarana Matsumura, 1931: 1458.
(syn. *fenestrella*)
bifasciata Selys, 1879: 47, 386.
(syn. *trifasciata*)
bifenestrata Fraser, 1922: 7, 63.
(syn. *quadrifasciata*)
cuneata Selys, 1853: 60. S.E.Asia
(= *adamantina*)
fenestrella Rambur, 1842: 236. S.E.Asia
(= *baibarana*)

- 1.1.3.1.2. *fulgipennis* Guérin, 1831: 1, 15. Indochina
hemihyalina Fraser, 1922: 7, 64.
(syn. *quadrinaculata*)
hilaryae Fraser, 1927: 29, 83. Burma
immaculata Selys, 1879: 57, 385. Assam
iridea Selys, 1891: 10, 492. Burma
(has form *kerri*)
kerri Fraser, 1933: 9, 121. China
(form of *iridea*)
* *quadrinaculata* Selys, 1853: 60, (Rhinocypha) India
(= *bifenestrata*; = *hemihyalina*)
spuria Selys, 1879: 57, 388. Burma
trifasciata Selys, 1853: 61. S.E. Asia
(= *bifasciata*)
- 1.1.3.1.3. *Calocypha* Fraser, 1927
laidlawi Fraser, 1924: 26, 482, (Rhinocypha) India
- 1.1.3.1.4. *Chlorocypha* Fraser, 1934
aphrodite Le Roi, 1915: 1, 331. Congo
bamptoni Pinhey, 1975: 7, 1. C. Africa
(ssp. of *crocea*)
basilewskyi Fraser, 1955: 8, 36. Congo
(has ssp. *jacksoni*)
camerunensis Sjoestedt, 1899: 25, 56.
(syn. *selysi*)
cancellata Selys, 1879: 47, 383. Cameroons
(has ssp. *insulana*)
centripunctata Gambles, 1975: 110, 106. Nigeria
consueta Karsch, 1899: 25, 376.
(syn. *luminosa*)
cordosa Fraser, 1947: 98, 23.
(syn. *cyanifrons*)
crocea Longfield, 1947: 16, 17. Angola
(has ssp. *bamptoni*)
curta Selys, 1853: 58. W. Africa
(= *decorata*)
cyanifrons, Selys, 1873: 35, 493. W. Africa
(= *cordosa*; = *glaucifrons*)
dahli Fraser, 1956: 18, 940. Cameroons
decorata Karsch, 1893: 38, 34.
(syn. *curta*)
* *dispar* Beauvois, 1805: 2, 85, (Agrion) W. Africa
(= *fraseri*; has forms *ovulosa* and
pyriformosa)
fabamacula Pinhey, 1961: 14, 41.
(syn. *wittei*)

- 1.1.3.1.4. *fraseri* Schmidt, 1951: 20, 161.
(syn. *dispar*)
- frigida* Pinhey, 1961: 14, 43. N.Rhodesia
- ghesquierei* Fraser, 1959: 60, 308. Congo
- glauca* Selys, 1879: 47, 380. W.Africa
(has ssp. *radix*; = *pavonis*)
- glaucifrons* Sjoestedt, 1900: 25, 51.
(syn. *cyanifrons*)
- gracilis* Karsch, 1899: 25, 163. Cameroons
(= *grandis*)
- grandis* Sjoestedt, 1899: 25, 58.
(syn. *gracilis*)
- hasta* Pinhey, 1961: 24, 510.
(syn. *molindica*)
- helenae* Legrand, 1984: 13, 238. Gabon
- hintzi* Grunberg, 1914: 31, 53. Cameroons
- insulana* Pinhey, 1969: 33, 223. Fernando Po
(ssp. of *cancellata*)
- jacksoni* Pinhey, 1952: 3, 13. Uganda
(ssp. of *basilewskyi*)
- jejuna* Karsch, 1898: 24, 345.
(syn. *luminosa*)
- luminosa* Karsch, 1893: 38, 33. W. & C.Africa
(= *consueta*; = *jejuna*)
- molindica* Fraser, 1948: 17, 9. C. & E.Africa
(= *hasta*)
- neptuna* Sjoestedt, 1900: 25, 54. Cameroons
- nigeriensis* Gambles, 1975: 110, 115. Nigeria
(ssp. of *selysi*)
- ovulosa* Fraser, 1947: 98, 23. Nigeria
(form of *dispar*)
- pavonis* Lieftinck, 1973: 33, 34. Togo
(syn. *glauca radix*)
- pyriformosa* Fraser, 1947: 98, 23. Ivory Coast
(form of *dispar*)
- radix* Longfield, 1959: 45, 28. Nigeria
(ssp. of *glauca*; = *pavonis*)
- rubida* Hagen in Selys, 1853: 58. Cameroons
- rubriventris* Pinhey, 1975: 7, 1. Rhodesia
- schmidtii* Pinhey, 1967: 29, 183. Congo
- selysi* Karsch, 1899: 5. W.Africa
(= *camerunensis*; has ssp. *nigeriensis*)
- seydelli* Fraser, 1958: 57, 109. Congo
- sharpae* Pinhey, 1972: 5, 1. Liberia
- straeleni* Fraser, 1949: 25, 28.
(syn. *trifaria*)

- 1.1.3.1.4. *tenuis* Longfield, 1936: 85, 468. E.Africa
trifaria Karsch, 1899: 25, 378. E. & C.Africa
 (= *straeleni*)
victoriae Foerster, 1914: 80, 80. E.Africa
wittei Fraser, 1955: 38, 10. C. & S.E.Africa
 (= *fabamacula*)
- 1.1.3.1.5. *Cyrano* Needham & Gyger, 1939
 (= *Neocypha* Cowley, 1939)
asiatica Selys, 1879: 47, 384.
 (syn. *unicolor*)
unicolor Selys, 1869: 27, 665, (*Libellago*) Philippines
 (= *asiatica*)
- 1.1.3.1.6. *Disparocypha* Ris, 1916
biedermanni Ris, 1916: 5, 314. Celebes
- 1.1.3.1.7. *Heliocypha* Fraser, 1949
abbreviata Fraser, 1928: 32, 454. Siam
 (form of *biforata*)
anambae Laidlaw, 1932: 7, 99. Anambas Is.
 (form of *biseriata*)
angusta Selys, 1853: 62 Sumatra
 (= *apicalis*; = *vitrella*; has ssp. *oceanis*)
apicalis Kruger, 1898: 79.
 (syn. *angusta*)
beatifica Fraser, 1927: 29, 86. Assam
 (form of *perforata*)
beesoni Fraser, 1923: 29, 479. India
 (form of *biforata*)
biforata Selys, 1859: 7, 446. S.E.Asia
 (has forms *abbreviata*; *beesoni*; *delimbata*)
biseriata Selys, 1859: 17, 446. Borneo
 (has form *anambae*)
- * *bisignata* Selys, 1853: 62, (*Rhinocypha*) India
cornelia Lieftinck, 1947: 88, 215. Bali
 (ssp. of *fenestrata*)
delimbata Selys, 1879: Burma
 (form of *biforata*)
fenestrata Burmeister, 1839: 2, 826. Java
 (= *infumata*; has ssp. *cornelia*)
inas Laidlaw, 1902: 88.
 (syn. *perforata limbata*)
infumata Rambur, 1842: 237.
 (syn. *fenestrata*)
limbata Selys, 1879: 57, 392 Assam
 (form of *perforata*; = *inas*)
mariae Lieftinck, 1930: 12, 136. Sumatra
nubecula Lieftinck, 1948: 19, 266. Sumatra

- 1.1.3.1.7. *oceanis* Lieftinck, 1947: 88, 215 Engano Is.
(form of *angusta*)
perforata Percheron, 1835: 2. E.Asia
(= *quatuordecimmaculata*; = *whiteheadi*;
has forms *beatifica* and *limbata*)
quatuordecimmaculata Oguma, 1913: 5, 159.
(syn. *perforata*)
whiteheadi Kirby, 1900: 5, 536.
(syn. *perforata*)
- 1.1.3.1.8. *Heterocypha* Laidlaw, 1950
vitrinella Fraser, 1935: 37, 332, (*Rhinocypha*). Burma
- 1.1.3.1.9. *Indocypha* Laidlaw, 1939
svenhedini Sjoestedt, 1933: 25, 15. Annam
(form of *vittata*?)
* *vittata* Selys, 1891: 30, 58. (*Libellago*). Burma
(? has form *svenhedini*)
- 1.1.3.1.10. *Libellago* Selys, 1840
(= *Micromerus* Fraser, 1928: has sgen. *Sclerocypha*)
adami Fraser, 1939: 8, 24. Ceylon
(= *miae*)
affinis Laidlaw, 1902: 90.
(syn. *semlopaca*)
andamanensis Fraser, 1924: 26, 410. Andaman Is.
annandalei Laidlaw, 1903: 1, 197.
(syn. *aurantiaca*)
asclepiades Ris, 1906: 5, 309. Celebes
aurantiaca Selys, 1879: 17, 448. S.E.Asia
(= *annandalei*)
bisignata McLachlan, 1870: 168, (sgen. *Sclerocypha*) Celebes
blanda Selys, 1853: 64.
(syn. *lineata*)
dorsocyana Lieftinck, 1937: 16, 56. Borneo
finalis Selys, 1869: 27, 665. Ceylon
greeni Laidlaw, 1924: 12, 352. Ceylon
hyalina Selys, 1859: 7, 447. Malaysia
(= *malayana*)
indica Fraser, 1928: 32, 686. India
(ssp. of *lineata*)
* *lineata* Burmeister, 1939: 2, 826, (*Calopteryx*) E.Asia
(= *blanda*; = *obscurus*; = *signatus*;
= *uxor*; has ssp. *indica*)
malayana St. Quentin, 1966: 16, 165.
(syn. *hyalina*)
martinae Karsch, 1891: 17, 243.
(syn. *semlopaca*)

- 1.1.3.1.10. *miai* Lieftinck, 1940: 22, 84.
(syn. *adami*)
- mima* Lieftinck, 1932: 2.
(syn. *semiopaca*)
- naia* Lieftinck, 1932: 11, 4. Flores, Sumba
- obscura* Kirby, 1886: 328
(syn. *lineata*)
- phaeton* Laidlaw, 1931: 16, 245. Borneo
- rufescens* Selys, 1873: 36, 617. Celebes
- semiopaca* Selys, 1873: 36, 617. S.E. Asia
(= *affinis*; = *martinae*; = *mima*)
- signata* Kruger, 1898: 59, 86.
(syn. *lineata*)
- stictica* Selys, 1869: 27, 665. Borneo
- stigmatizans* Selys, 1859: 7, 448. Malaysia
- sumatrana* Selys, 1879: 47, 397. Sumatra
- uxor* Rambur, 1842: 239
(syn. *lineata*)
- xanthocyana* Selys, 1869: 27, 448. Celebes
- 1.1.3.1.11. *Melanocypha* Fraser, 1949
- javana* Laidlaw, 1950: 101, 269. Java
(ssp. of *snellemanni*)
- snellemanni* Selys, 1879: 47, 398, (Micromerus) Sumatra
(has ssp. *javana*)
- 1.1.3.1.12. *Pachycypha* Lieftinck, 1950
- aurea* Lieftinck, 1950: 20, 634. Borneo
- 1.1.3.1.13. *Paracypha* Fraser, 1949
- unimaculata* Selys, 1853: 61, (Rhinocypha) Assam
- 1.1.3.1.14. *Platycypha* Fraser, 1949
- ambigua* Gerstaecker, 1869: 35, 221.
(syn. *caligata*)
- amboniensis* Martin, 1915: 42. E. Africa
- angolensis* Longfield, 1959: 45, 27. Angola
(ssp. of *caligata*)
- armageddoni* Fraser, 1940: 33, 552.
(syn. *lacustris*)
- auripes* Foerster, 1906: 71, 54. Tanganyika
(= *greenwayi*)
- * *caligata* Selys, 1853: 57, (Libellago) S.C. & E. Africa
(= *ambigua*; = *hartmanni*; has form *lacus*;
has ssp. *angolensis*)
- chingolae* Pinhey, 1962: 26, 904. N. Rhodesia
(ssp. of *lacustris*)
- fitzsimonsi* Pinhey, 1950: 21, 270. Natal
(has ssp. *inyangae*)

- 1.1.3.1.14. *greenwayi* Pinhey, 1950: 26, 18.
(syn. *auripes*)
- hartmanni* Foerster, 1897: 23, 216.
(syn. *caligata*)
- inyangae* Pinhey, 1958: 22, 105. S.Rhodesia
(ssp. of *fitzsimonsi*)
- lacus* Pinhey, 1982: 1, 213. S.C.& E.Africa
(form of *caligata*)
- lacustris* Foerster, 1914: 80, 80. E.Africa
(= *armageddoni*; has ssp. *chingolae*)
- lucalaensis* Pinhey, 1967: 29, 176. Luanda
(ssp. of *rufitibia*)
- picta* Pinhey, 1962: 25, 30. Congo
- pinheyi* Fraser, 1950: 26, 6. Tanganyika
- rufitibia* Pinhey, 1961: 96, 263. Cameroons
(has ssp. *lucalaensis*)
- 1.1.3.1.15. *Rhinocypha* Rambur, 1842
- adusta* Lieftinck, 1949: 20, 319.
(form of *tincta*)
- albistigma* Selys, 1873: 36, 615. Batjan
- amanda* Lieftinck, 1938: 2, 386. New Guinea
(form of *tincta*)
- anisoptera* Selys, 1853: 47, 394. E.Indies
- aurofulgens* Laidlaw, 1931: 16, 242. Borneo
- aurulenta* Foerster, 1903: 1, 547. Buru
- braueri* Kruger, 1898: 49, 133.
(syn. *sumbana*)
- cognata* Kimmins, 1936: 18, 84. Borneo
- colorata* Selys, 1869: 27, 664. Philippines
- cucullata* Selys, 1873: 35, 492. Borneo
- dentiplaga* Lieftinck, 1939: 2, 387.
(form of *tincta*)
- drusilla* Needham, 1930: 11, 221. China
- eximia* Selys, 1873: 35, 488. Palawan
(syn. *humeralis*?)
- frontalis* Selys, 1873: 35, 490. Celebes
- hageni* Kruger, 1898: 59, 135. Sulu
- heterostigma* Rambur, 1842: 236. S.E.Asia/E.Indies
(has form *io*)
- humeralis* Selys, 1873: 35, 488. Borneo/Palawan
(= *eximia*?)
- ignipennis* Selys, 1879: 47, 389. Assam
- io* Fraser, 1926: 8, 485. Java
(form of *heterostigma*)
- katherina* Needham, 1930: 11, 222. China

- 1.1.3.1.15. *latimacula* Lieftinck, 1974: 3, 111. Tawi
liberata Lieftinck, 1949: 5, 27. Solomon Is.
lombokensis McLachlan, 1898: 273.
(syn. *pagenstecheri*)
monochroa Selys, 1873: 36, 614. Celebes
moultoni Laidlaw, 1915: 35. Borneo
ogasawaraensis Matsumura in Oguma, 1913: 5, 161. Bonin Is.
pagenstecheri Foerster, 1897: 23, 333. Flores
(= *lombokensis*; has forms *pusilla*
and *timorana*)
pallidifrons Ris, 1927: 10, 9. Sumatra
pelops Laidlaw, 1936: 18, 60. Malaya
phantasma Lieftinck, 1935: 15, 175. Celebes
pusilla Lieftinck, 1953: 64, 136. Sunda Is.
(form of *pagenstecheri*)
retrograda Lieftinck, 1938: 2, 383. New Guinea
(form of *tincta*)
sagitta Lieftinck, 1938: 2, 384. New Guinea
(form of *tincta*)
sanguinolenta Lieftinck, 1961: 42, 125. Mindanao
semitincta Selys, 1869: 27, 664. Moluccas
(form of *tincta*) to N. Australia
spinifer Laidlaw, 1931: 16, 241. Borneo
stygia Foerster, 1897: 51, 210. Borneo
sumbana Foerster, 1897: 23, 334. Sumba
(= *braueri*)
terminata Selys, 1869: 27, 662.
(syn. *ustulata*)
timorana Lieftinck, 1936: 43, 99. Timor
(form of *pagenstecheri*)
* *tincta* Rambur, 1842: 237. Waigeou
(has forms *adusta*; *amanda*; *denti-plaga*;
retrograda; *sagitta* & *semitincta*)
trimaculata Selys, 1853: 62. Assam
turconii Selys, 1891: 20, 215. Philippines
uenoi Asahina, 1964: 32, 229. Ryukyu Is.
ustulata Brauer, 1867: 17, 290. Ceram
(= *terminata*)
xanthe Ris, 1927: 10, 7. Sumatra
- 1.1.3.1.16. *Rhinoneura* Laidlaw, 1915
caerulea Kimmins, 1936: 18, 79. Borneo
* *villosipes* Laidlaw, 1915: 33. Borneo
- 1.1.3.1.-. *Sclerocypha* Fraser, 1949 (sgen. of *Libellago*)
- 1.1.3.1.17. *Sundacypha* Laidlaw, 1950

- 1.1.3.1.17. *karschi* Kruger, 1898: 59, 83.
(syn. *petiolata*)
- * *petiolata* Selys, 1859: 447, (*Rhinocypha*). Malaysia
(= *karschi*; = *rubropicta*)
- rubropicta* Martin, 1902: 7, 508.
(syn. *petiolata*)
- 1.1.4. Dicteriastidae (Heliocharitidae). Medium sized forms. Primary antenodals evident; *IRiii* and *Riv* recessed: *Rii-iii* strongly arched forward near origin; basal antenodals present. Legs long with no spines. Neotropical.
- 1.1.4.1.1. *Cyanocharis* Needham, 1903
valga Needham, 1903: 16, 55. Brasil
- 1.1.4.1.2. *Dicterias* Selys, 1853
(incl. *Charitopteryx* Cowley, 1934;
[= *Neocharis* Foerster, 1906])
- * *atrosanguinea* Selys, 1853: 20, 56. Brasil
cothurnata Foerster, 1906: 71, 70. Surinam
- 1.1.4.1.3. *Heliocharis* Selys, 1853
- * *amazona* Selys, 1853: 20, 55. Bolivia
(= *peruviana*; = *umbra*)
- brasiliensis* Selys, 1859: 7, 444. Brasil
- libera* Selys, 1869: 27, 661. Brasil
(= *procera*?)
- peruviana* Navas, 1920: 90, 34.
(syn. *amazona*)
- procera* Hagen in Selys, 1859: 7, 444.
(syn.? *libera*)
- umbra* Ris, 1918: 82, 12.
(syn. *amazona*)
- 1.1.5. Diphlebiidae fam. nov. Rather large sturdy zygoptera. Males non-metallic blue with black markings. First thoracic interpleural suture incomplete. Wings narrow, petiolated to halfway between primary antenodals. Primaries evident, one above and one proximal to arc. Secondary antenodals (3-6) all distal to primaries and in costal space only; post-nodals not coinciding with cross veins beneath. Median space uncrossed; space below *R1* free from arc to nodus; proximal ends of *Riii* and *Riv* close and near to arc; *Riii* arising at nodus; *Dc* long and narrow, uncrossed; many intercalaries. Superior anal appendages forcipate. Larva stout and short with saccoid gills, stream dwellers. Compact group confined to E.Australia.
- 1.1.5.1.1. *Diphlebia* Selys, 1896
(= *Dineura* Selys, 1859)
- coerulescens* Tillyard, 1913: 38, 235. E.Australia

- 1.1.5.1.1. euphaeoides Tillyard, 1907: 32, 394. Queensland
(= reinholdi)
- hybridoides Tillyard, 1912: 36, 587. Queensland
- * lestoides Selys, 1853: 20, 67, (Amphipteryx). E.Australia
(has ssp. tillyardi)
- nymphoides Tillyard, 1912: 36, 587. E.Australia
- reinholdi Foerster, 1910: 29, 55.
(syn. euphaeoides)
- tillyardi Fraser, 1956: 92, 305. E.Australia
(ssp. of lestoides)
- 1.1.6. Euphaeidae (Epallaginidae). Medium sized forms, wings not petiolate;
antenodals numerous (12-20); Rii and Ri11 not fused with Ri near origin.
Dc short, rarely traversed, base of cell connected to radius by arc.
First thoracic suture incomplete. Stigma well developed. Larva with
lateral abdominal gills, in addition to caudal sacs. Old World.
- 1.1.6.1.1. Allophaea Fraser, 1929
- balica McLachlan, 1898: 272. Bali
(ssp. of lara)
- brunnea Selys, 1897: 47, 374. India
(ssp. of ochracea)
- lara Kruger, 1898: 59, 131. Sumba
(has ssp. balica & lombockensis)
- lombockensis McLachlan, 1898: 272. Flores-Lombok
(ssp. of lara)
- * ochracea Selys, 1859: 7, 443, (Euphaea). S.E.Asia
(has ssp. brunnea)
- 1.1.6.1.2. Anisophaea Fraser, 1934
(= Mesophaea Fraser, 1928)
- * decorata Selys, 1853: 20, 51, (Euphaea) China
- ornata Campion, 1924: 13, 174. Hainan
- 1.1.6.1.3. Anisopleura Selys, 1853:
- comes Hagen, 1880: 23, 63. India
- furcata Selys, 1891: 10, 488. Burma
- kusumi Sahni, 1965: 27, 212. India
- * lestoides Selys, 1853: 20, 48. India
- qingyuanensis Zhou, 1982: 4, 65. China
- subplatystyla Fraser, 1927: 29, 81. India
- vallei St.Quentin, 1937: 16, 86. Assam
- 1.1.6.1.4. Bayadera Selys, 1853
- bidentata Needham, 1930: 11, 218. China
- brevicauda Fraser, 1934: 2, 83. Formosa
(has ssp. continentalis & ishigakiana)
- continentalis Asahina, 1973: 41, 455. China
(ssp of brevicauda)

- 1.1.6.1.4. *fasciata* Sjoestedt, 1933: 25, 14. China
forcipata Needham, 1930: 11, 217. China
hyalina Selys, 1879: 47, 373. N.India
 * *indica* Selys, 1853: 20, 49, (Epallage). India
ishigakiana Asahina, 1964: 32, 1. Ryukyu Is.
 (ssp. of *brevicauda*)
kali Cowley, 1936: 18, 477. Assam
longicauda Fraser, 1928: 33, 53. Sikkim
melania Navas, 1934: 2, 3. China
melanopteryx Ris, 1912: 1, 49. China
 (= *nitens*)
nitens Navas, 1934: 2, 2.
 (syn. *melanopteryx*)
- 1.1.6.1.5. *Cyclophaea* Ris, 1930
cyanifrons Ris, 1930: 2, 81. Palawan
- 1.1.6.1.6. *Dysphaea* Selys, 1853
basitincta Martin, 1904: 3, 218. China
 * *dimidiata* Selys, 1853: 54. E.Indies
 (= *limbata*; = *semilimbata*)
ethela Fraser, 1924: 26, 480. India
gloriosa Fraser, 1938: 7, 197. S.E.Asia
limbata Selys, 1854: 7, 443.
 (syn. *dimidiata*)
lugens Selys, 1873: 35, 485. Borneo
semilimbata Selys, 1873: 35, 486.
 (syn. *dimidiata*)
walli Fraser, 1927: 29, 82. Burma
- 1.1.6.1.7. *Epallage* Charpentier, 1840
alma Selys, 1879: 47, 372. Persia
anatolica Selys, 1879: 47, 371. Asia Minor
 (form of *fatime*)
 * *fatime* Charpentier: 1840: 132, (*Agrion*) Middle East
 (has form *anatolica*)
- 1.1.6.1.8. *Euphaea* Selys, 1840
 (= *Pseudophaea* Kirby, 1890)
amphicyana Ris, 1930: 20, 89. Mindanao
aspasia Selys, 1853: 20, 52. Sumatra
basalis Laidlaw, 1915: 32. Borneo
bocki McLachlan, 1880: 16, 204. Sumatra
carissima Kirby, 1894: 24, 559. Ceylon
 (syn. *splendens*)
compar McLachlan, 1870: 167. China
 (form of *formosa*)

- 1.1.6.1.8. cora Ris, 1930: 20, 86. Mindanao
 formosa Selys, 1869: 27, 660. Formosa
 (has form compar)
 guerini Rambur, 1842: 229. Indochina
 (has ssp. inoueii)
 holosericea Selys, 1840: 200.
 (syn. variegata)
 impar Selys, 1859: 7, 441. E. Indies
 (= inequipar)
 inequipar Selys, 1859: 7, 442.
 (syn. impar)
 inoueii Asahina, 1977: 45, 178. Vietnam
 (ssp. of guerini)
 intermedia Kruger, 1898: 59, 76. Sumatra
 (ssp. of variegata)
 laidlawi Kimmins, 1936: 18, 77. Borneo
 masoni Selys, 1879: 47, 377. Indochina
 modigliani Selys, 1898: 42, 336. Mentawi Is.
 opaca Selys, 1853: 53. China
 refulgens Selys, 1853: 53. Luzon
 semperi Selys, 1879: 47, 376. Luzon
 splendens Selys, 1853: 52. Ceylon
 (= carissima; = viridissima)
 subcostalis Selys, 1873: 35, 483. Borneo
 subnodalis Laidlaw, 1915: 31. Borneo
 superba Kimmins, 1936: 17, 147. China
 tricolor Selys, 1859: 7, 442. Borneo
 * variegata Rambur, 1842: 229. E. Indies
 (= holosericea; has ssp. intermedia)
 viridissima Kirby, 1894: 24, 559. Ceylon
 (syn. splendens)
 yayeyamana Matsumura in Oguma, 1913: 5, 158. Japan
- 1.1.6.1.9. Heterophaea Cowley, 1934
 (= Paraphaea Martin, 1903)
 * barbata Martin, 1902: 8, 507, (Paraphaea). Manila
 ruficollis Ris, 1930: 20, 90. Philippines
- 1.1.6.1.10. Indophaea Fraser, 1929
 cardinalis Fraser, 1924: 26, 512. India
 * dispar Rambur, 1842: 228, (Euphaea) India
 fraseri Laidlaw, 1920: 19, 23. India
 (has form wynaadensis)
 wynaadensis Fraser, 1922: 24, 8. India
 (form of fraseri)
- 1.1.6.1.11. Schmidtphaea Asahina, 1978

- 1.1.6.1.11. *schmidi* Asahina, 1978: 14, 43. Assam
- 1.1.7. Polythoridae. Medium to large forms with broad often coloured wings. Accessory antenodals present, IRiii and Riv recessed, usually only distal primary antenodal evident and strengthened to support Dc instead of support by arc; sectors of arc arising from its costal angle making irregular shaped Dc. Base of Dc connected to radius without interposition of arc. Dc proximal side longer than distal. Stigma large. Larva with lateral abdominal gills. New World.
- 1.1.7.1. Euthorinae. Both primary antenodals present. Dc in fore wing with 5-6 cross veins. Wings clear or with white and brown bands.
- 1.1.7.1.1. *Euthore* Selys, 1869
- | | |
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| * <i>fasciata</i> Hagen in Selys, 1853: 70, (Thore).
(= <i>plagiata</i>) | Venezuela |
| <i>fassli</i> Ris, 1914: <u>3</u> , 282. | Colombia |
| <i>fastigiata</i> Selys, 1859: <u>7</u> , 450. | Colombia |
| <i>hyalina</i> Selys, 1853: 71. | Brasil |
| <i>inlactea</i> Calvert, 1909: <u>6</u> , 91. | Peru |
| <i>leroi</i> Ris, 1918: <u>82</u> , 28. | Colombia |
| <i>meridana</i> Selys, 1879: <u>47</u> , 404. | Venezuela |
| <i>mirabilis</i> McLachlan, 1878: 87. | Ecuador |
| <i>montgomeryi</i> Racenis, 1968: <u>28</u> , 155. | Venezuela |
| <i>plagiata</i> Selys, 1873: <u>35</u> , 501.
(syn. <i>fasciata</i>) | |
| <i>terminalis</i> McLachlan, 1878: 92. | Bolivia |
- 1.1.7.2. Miocorinae. Only distal primary antenodal present; anal vein simple or no intercalary if bifurcate. Wings clear or with brown tip. Dc in fore wing with 3-4 cross veins.
- 1.1.7.2.1. *Josocora* Kennedy, 1940
- | | |
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| * <i>jocosa</i> McLachlan, 1881: 30, (Cora). | Ecuador |
| <i>klenei</i> Karsch, 1891: <u>6</u> , 113. | Ecuador |
- 1.1.7.2.2. *Kalocora* Kennedy, 1940
- | | |
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| <i>aurea</i> Ris, 1918: <u>82</u> , 24, (Cora) | Colombia |
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- 1.1.7.2.3. *Miocora* Calvert, 1917
- | | |
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| <i>pellucida</i> Kennedy, 1940: <u>33</u> , 418. | Peru |
| * <i>peraltica</i> Calvert, 1917: <u>28</u> , 260. | Costa Rica |
| <i>subapicalis</i> Kennedy, 1940: 422. | Colombia |
- 1.1.7.2.4. *Stenocora* Kennedy, 1940
- | | |
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| <i>percornuta</i> Kennedy, 1940: <u>33</u> , 411. | Ecuador |
|---|---------|
- 1.1.7.3. Polythorinae. Only distal primary antenodal present; anal vein bifurcate with intercalary vein (= trifurcate). Dc in fore wing with 6-8 cross veins. Wings usually coloured.

- 1.1.7.3.1. *Chalcopteryx* Selys, 1853
 confluens Schmidt, 1952: 227.
 (form of rutilans)
 radians Ris, 1914: 3, 284. Brasil
 * rutilans Rambur, 1842: 233, (Rhinocypha). Brasil
 (has form confluens)
 scintillans McLachlan, 1890: 169. Brasil
 seabrai Santos & Machoad, 1961: 24, 10. Brasil
- 1.1.7.3.2. *Cora* Selys, 1863
 alcyone Selys, 1873: 35, 503. Colombia
 bogotensis Foerster, 1914: 60. Colombia
 brasiliensis Montgomery, 1967: 5, 143. Brasil
 chirripa Calvert, 1907: 348. Costa Rica
 confusa Kennedy, 1940: 33, 430. Ecuador
 * cyane Selys, 1853: 71. Venezuela
 (= incana)
 dualis McLachlan, 1878: 90. Ecuador
 inca Selys, 1873: 35, 503. Ecuador
 incana Selys, 1869: 27, 679.
 (syn. cyane)
 irene Ris, 1918: 82, 18. Bolivia
 lugubris Navas, 1934: 30, 135. Colombia
 marina Selys, 1869: 27, 678. Mexico
 modesta Selys, 1869: 27, 680. Colombia
 munda McLachlan, 1878: 91. Ecuador
 notoxantha Ris, 1918: 82, 20. Panama
 obscura Ris, 1918: 82, 20. Panama
 semiopaca Selys, 1878: 21, 21. Panama
 skinneri Calvert, 1907: 349. Costa Rica
 subfumata Foerster, 1914: 80, 60. Peru
 xanthostoma Ris, 1918: 82, 16. Colombia
- 1.1.7.3.3. *Polythore* Calvert, 1917
 (= *Thore* Selys, 1853)
 acostai Navas, 1924: 18, 320. Peru
 adjuncta Fraser, 1946: 96, 18. Colombia
 (ssp. of derivata)
 aequatorialis Selys, 1873: 35, 500.
 (syn. vittata)
 albovittata Selys, 1873: 36, 618.
 (syn. vittata)
 ambigua Fraser, 1946: 96, 19. Peru
 (ssp. of derivata)

- 1.1.7.3.3. *aurora* Selys, 1879: 47, 401. Ecuador
- batesi* Selys, 1869: 27, 673. Brasil
- beata* McLachlan, 1869: 6, 28. Peru
(= *inaequalis*)
- boliviana* McLachlan, 1878: 89. Bolivia
- concinna* McLachlan, 1881: 28. Ecuador
(= *pulchella*)
- derivata* McLachlan, 1881: 27. Ecuador
(has ssp. *adjuncta*; ssp. *ambigua*;
form *originata*; form *terminata*)
- * *gigantea* Selys, 1853: 69, (Thore). Colombia
- inaequalis* Selys, 1869: 27, 674.
(syn. *beata*)
- montana* Foerster, 1914: 80, 60. Peru
- mutata* McLachlan, 1881: 29. Ecuador
- originata* Fraser, 1946: 96, 18. Peru
(form of *derivata*)
- ornata* Selys, 1879: 47, 400. Peru
- picta* Rambur, 1842: 231. S.America
(= *picturata*; = *saundersi*)
- picturata* Selys, 1873: 35, 499.
(syn. *picta*)
- pozuzina* Foerster, 1914: 59. Peru
- procera* Selys, 1869: 27, 671 S.America
- pulchella* Kirby, 1889: 300.
(syn. *concinna*)
- saundersi* Selys, 1853: 70.
(syn. *picta*)
- terminata* Fraser, 1946: 96, 20. Peru
(form of *derivata*)
- tincta* Navas, 1924: 18, 7. Peru
- victoria* McLachlan, 1869: 6, 28. Bolivia
- vittata* Selys, 1869: 27, 673. Brasil
(= *aequatorialis*; = *albovittata*)
- williamsoni* Foerster, 1903: 20, 2. Peru

1.1.8. Rimanellidae fam. nov. Medium sized, non-metallic zygoptera with
lesteine facies. First thoracic interpleural suture incomplete. Wings
narrow, petiolated to first primary antenodal; distal primary just distal
to arc; no secondary antenodals. Postnodals numerous, not co-inciding
with cross veins beneath. Median space uncrossed; space below R1 free
from arc to nodus. IRiii and Riv substantially recessed; Riii arising
almost at nodus. Dc Short and broad, especially in forewing and angled
sharply down distally; several intercalaries. Appendages sub-forcinate.
One species only, isolated in north of S.America.

1.1.8.1.1. Rimanelia Needham, 1934
(= Rima Needham, 1933)

arcana Needham, 1933: 664, 3.

Venezuela

- 1.2. Lestoidea (Lestidoidea). Small to medium sized Zygoptera with petiolate wings; usually only 2 antenodals, postnodals in line with the cross veins below them; anal vein fused with posterior border of wings; Dc closed at base (except Chorismagrion); arc at level of second antenodal or distal to it; IRiii & Riv usually begin closer to arc than to nodus; usually oblique vein joins Riii and IRiii. Supplementary sectors (intercalaries) present; pterostigma long. Male genital hamules elongate.
- 1.2.1. Chlorolestidae. Rather robust forms with very petiolate wings. Stigma wide, intercalated veins present, Riv origin at or just prox. to subnodus. CuP curves sharply upwards from origin. Dc not always closed at base.
- 1.2.1.1. Chlorolestinae (Synlestinae). Wings sometimes coloured in males. IRiii & Riv origin nearer nodus than to arc, anal vein leaves wing border below Dc and far distal to Ac; Dc normally closed at base.
- 1.2.1.1.1. Chlorolestes Selys, 1862
(has sgen. Euchlorolestes)
- | | |
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| apricans Wilmot, 1975: <u>38</u> , 13. | S.Africa |
| * conspicuus Selys, 1862: <u>2</u> , 32. | S.Africa |
| draconicus Balinsky, 1956: <u>22</u> , 511. | Natal |
| elegans Pinhey, 1950: <u>21</u> , 260. | S.Africa |
| fasciatus Burmeister, 1839: <u>2,822</u> (sgen. <u>Euchlorolestes</u>) | S.Africa |
| (has form <u>nigerrimus</u>) | |
| longicaudus Burmeister, 1839: <u>2,823</u> (sgen. <u>Euchlorolestes</u>). | |
| (? syn. <u>tesselatus</u>) | |
| nigerrimus Pinhey, 1980: <u>6</u> , 3. | Transvaal |
| (form of <u>fasciatus</u>) | |
| tesselatus Burmeister, 1839: <u>2,823</u> (sgen. <u>Euchlorolestes</u>) | S.Africa |
| (? = <u>longicaudus</u>) | |
| umbratus Selys, 1862: <u>2</u> , 4. | S.Africa |
- 1.2.1.1.2. Ecchlorolestes Barnard, 1937
- | | |
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| nylephtha Barnard, 1937: <u>32</u> : 201. | S.Africa |
| * peringuey Ris, 1921: <u>18</u> , 282, (<u>Chlorolestes</u>). | S.Africa |
- 1.2.1.1.3. Episynlestes Kennedy, 1920
- | | |
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| * albicauda Tillyard, 1913: <u>38</u> , 238, (<u>Synlestes</u>). | NE.Australia |
| cristatus Watson & Moulds, 1977: <u>16</u> , 257. | N.Queensland |
- 1.2.1.1.-. Euchlorolestes Kennedy, 1920
(subg. of Chlorolestes)
- 1.2.1.1.4. Phylolestes Christiansen, 1948
- | | |
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| ethelae Christiansen, 1948: <u>54</u> , 258. | Haiti |
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- 1.2.1.1.5. Sinolestes Needham, 1930
- | | |
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| editus Needham, 1930: <u>11</u> , 243. | China |
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- 1.2.1.1.5. *ornatus* Needham, 1930: 11, 244. China
 * *truncatus* Needham, 1930: 11, 243 China
- 1.2.1.1.6. *Synlestes* Selys, 1869
nigrescens Tillyard, 1917: 42, 472. E.Australia
selysi Tillyard, 1917: 42, 473. E.Australia
tillyardi Fraser, 1948: 24 4. S.E.Australia
tropicus Tillyard, 1917: 42, 475. N.Queensland
 * *weyersi* Selys, 1868: 11, 76. S.E.Australia
- 1.2.1.2. *Chorismagrioninae*. Dc of fore wing open at base: Riv origin at level of subnodus.
- 1.2.1.2.1. *Chorismagrion* Morton, 1914
risi Morton, 1914: 170. N.Queensland
- 1.2.1.3. *Megalestinae*. Wings hyaline, IRiii & Riv arise nearer to arc than to nodus; anal vein leaves wing border at or prox. to Ac. Dc closed at base.
- 1.2.3.1. *Megalestes* Selys, 1862
chengi Chao, 1947: 6, 20. China
distans Needham, 1930: 11, 231. China
heros Needham, 1930: 11, 229. China
irma Fraser, 1926: 32. India
lieftincki Lahiri, 1979: 13, 122. India
maai Chen, 1947: 6, 27. China
 * *major* Selys, 1862: 13, 293. India
micans, Needham, 1930: 11, 230. China
riccii Navas, 1935: 2, 89. China
suensoni Asahina, 1956: 27, 213. China
- 1.2.2. *Lestidae*. Dc well removed from wing border and with very acute distal angle; oblique vein between Riii & IRiii; anal vein leaves posterior border of wing at level of arc (not in *Chalcolestes*).
- 1.2.2.1. *Lestinae*. Wings usually partly open at rest. Dc of all wings same shape and size; stigma rather elongated.
- 1.2.2.1.1. *Archilestes* Selys, 1872
 (incl. *Superlestes* Williamson, 1921;
 has sgen. *Cyptolestes*)
californica McLachlan, 1895: 16, 20. U.S.A.
exoletus Selys, 1862: 13, 310. Brasil
 * *grandis* Rambur, 1842: 244, (*Lestes*). N. & C.America
guayacara De Marmels, 1982: 2, 111. Venezuela
latilatus Donnelly, 1981: 64, 412, (sgen. *Cyptolestes*). C.America
neblina Garrison, 1982: 702, 1. Costa Rica

- 1.2.2.1.1. *regalis* Gloyd, 1944: 483, 1; Mexico
tuberalatus Williamson, 1921: 96, 6, (sgen. *Cyptolestes*). Venezuela
- 1.2.2.1.-. *Chalcolestes* Kennedy, 1920
(sgen. of *Lestes*)
- 1.2.2.1.-. *Cyptolestes* Williamson, 1921
(sgen. of *Archilestes*).
- 1.2.2.1.-. *Icterolestes* Pinhey, 1980
(sgen. of *Lestes*)
- 1.2.2.1.2. *Lestes* Leach, 1815
(= *Anapetes* Charpentier; incl. *Africalestes* Kennedy, 1920;
has sgen. *Chalcolestes*; *Icterolestes*; *Malgassolestes*;
Paralestes; *Pseudochalcolestes*; & *Xerolestes*)
- alacer* Hagen, 1861: 67 C.America
- albofasciatus* Fraser, 1943: 12, 113.
(form of *quercifolia*)
- aldabrensis* Blackman & Pinhey, 1967: 3, 28. Aldabra Is.
(ssp. of *ochraceus*)
- amata* Hagen, 1862: 13, 322.
(syn. *concinus*)
- amicus* Martin, 1910: 78, 91. Mozambique
- andamanensis* Fraser, 1924: 26, 410.
(syn. *praemorsus*)
- angularis* Fraser, 1929: 33, 848. Burma
- apollinaris* Navas, 1934: 30, 137. Colombia
- auripennis* Fraser, 1955: 7, 39. (sgen. *Pseudochalcolestes*)
Madagascar
- auritus* Selys, 1862: 13, 312. Brasil
- australis* Walker, 1952: 78, 64. N.America
(ssp. of *disjunctus*)
- barbarus* Fabricius, 1798: 268. Europe to India
- bipupillatus* Calvert, 1909: 6, 95. Brasil
- boninensis* Asahina, 1952: 23, 49. Bonin Is.
- chromatus* Martin, 1910: 79, 94. N.C.Africa
(form of *pallidus* Rambur)
- cineraceus* Martin, 1910: 79, 93. Africa
(form of *pallidus* Rambur)
- concinus* Selys, 1862: 13, 32. S.E.Asia
(= *amata*; = *paludosus*) to Australasia
- confusus* Fraser, 1950: 10, 107.
(syn. *sternalis*)
- congener* Hagen, 1861: 67. N.America
- dajakanus* Lieftinck, 1948: 3. Borneo
- decipiens* Kirby, 1894: 565, (sgen. *Paralestes*) Ceylon
(ssp. of *praemorsus*)
- dichrostigma* Calvert, 1909: 6, 102. Brasil

- 1.2.2.1.2. *disjunctus* Selys, 1862: 13, 302. N.America
(has ssp. *australis*)
- dissimulans* Fraser, 1955: 51, 38, (sgen. *Paralestes*) C.Africa
- dorothea* Fraser, 1924: 26, 484. India
- dryas* Kirby, 1890: 160. Holarctic
(= *nympha* Selys; = *uncatus*)
- elatus* Selys, 1862: 13, 319, (sgen. *Paralestes*) Ceylon
- eurinus* Say, 1839: 8, 36. N.America
- falcifer* Sjoestedt, 1918: 11, 2. Brasil
- forceps* Rambur, 1842: 245.
(syn. *plagiatus*)
- forcipatus* Rambur, 1842: 246. N.America
(= *hamata*)
- forcipula* Charpentier, 1825: 6.
(syn. *sponsa*)
- forficula* Rambur, 1842: 247. C. & S.America
- geminatus* Fraser, 1951: 13, 1093.
(syn. *ictericus*)
- hamata* Selys, 1862: 13, 300.
(syn. *forcipatus*)
- helix* Ris, 1916: 82, 63. Peru
- henshawi* Calvert, 1906: 350. Costa Rica
- ictericus* Gerstaecker, 1869: 35, 222, (sgen. *Icterolestes*). Africa
(= *geminatus*; = *jacobi*)
- inaequalis* Walsh, 1862: 385. N.America
- jacobi* Martin, 1910: 79, 93.
(syn. *ictericus*)
- japonicus* Selys, 1883: 27, 130. Japan
- macrostigma* Eversmann, 1836: 9, 246. Europe/Asia Minor
(= *picteti* Selys)
- malabarica* Fraser, 1929: 33, 847. Indochina
- malaisei* Schmidt, 1964: 85, 146. Burma
- marikovskii* Belyshev, 1961: 9, 37. Russia
(ssp. of *virens*)
- mediorufus* Calvert, 1909: 6, 97. Brasil
- minutus* Selys, 1862: 13, 305. Brasil
- niger* Martin, 1910: 79, 88.
(syn. *tridens*)
- nigriceps* Fraser, 1924: 8, 85. Pusa
- nigrofasciatus* Fraser, 1943: 113. Buru, Moluccas
(form of *quercifolia*)
- nodalis* Selys, 1892: 10, 496. Burma
- nympha* Hansemann, 1823: 2, 161.
(syn. *barbarus*)

- 1.2.2.1.2. *nympha* Selys, 1840: 141.
(syn. *dryas*)
- nympha* Stephens, 1836: 6, 77.
(syn. *sponsa*)
- obscurus* Kirby, 1898: 2, 245.
(syn. *plagiatus*)
- ochraceus* Selys, 1862: 41, (sgen. *Xerolestes*). S. Africa
(has ssp. *aldabrensis* and *unicolor*)
- pallidus* Navas, 1924: 18, 11.
(syn. *sternalis*)
- pallidus* Rambur, 1842: 252, (sgen. *Xerolestes*). Africa
(has forms *chromatus*; *cineraceus*; *radiatus*;
somalicus; *stigmatus* & *wahlbergi*)
- paludosus* Tillyard, 1906: 31, 181.
(syn. *concinnus*)
- parvidens* Artobolevsky, 1929: 141, (sgen. *Chalcolestes*). S. E. Europe
(ssp. of *viridis*)
- patricia* Fraser, 1924: 26, 486. India
- paulistus* Calvert, 1909: 6, 99. Brasil
- pertinax* Lieftinck, 1932: 15, 9. New Guinea
- picteti* Fonscolome, 1838: 7, 577.
(syn. *sponsa*)
- picteti* Selys, 1840: 138.
(syn. *macrostigma*)
- pictus* Hagen in Selys, 1862: 13, 314. Brasil
- pinheyi* Fraser, 1955: 38, 10, (sgen. *Paralestes*) Congo
- plagiatus* Burmeister, 1939: 2, 824, (sgen. *Paralestes*) Africa
(= *forceps*; = *obscurus*; has form *tarri*)
- praecellens* Lieftinck, 1937: 16, 59. Java
- * *praemorsus* Selys, 1862: 13, 320, (sgen. *Paralestes*) Luzon
(= *andamanensis*; has ssp. *decipiens* & *sikkima*)
- praeivus* Lieftinck, 1940: 17, 344. E. Indies
- pruinescens* Martin, 1910: 79, 87, (sgen. *Malgasselestes*) Madagascar
- quadristriatus* Calvert, 1909: 6, 104. Brasil
- quercifolia* Selys, 1878: 3, 318. E. Asia Is.
(has form *albofasciatus* & *nigrofasciatus*)
- radiatus* Martin, 1910: 79, 94. Abyssinia
(form of *pallidus* Rambur)
- rectangularis* Say, 1839: 8, 34. N. America
- regulatus* Martin, 1910: 79, 90. Abyssinia
- rothschildi* Martin, 1906: 508.
(syn. *virgatus*)
- scalaris* Grunzlach, 1888: 216. Cuba
- sellatus* Selys, 1862: 13, 318.
(syn. *virens*)

- 1.2.2.1.2. sigma Calvert, 1901: 49. N.America
- sikkima Fraser, 1929: 33, 843. Sikkim
- (ssp. of praemorsus)
- silvaticus Schmidt, 1951: 129, (sgen. Pseudochalcolestes) ascar Madag-
- simplex Hagen, 1861: 68. N.America
- simulans Martin, 1910: 79, 88, (syn. simulator)
- simulator McLachlan, 1895: 25, (sgen. Malgassolestes). Madagascar
- (= simulans)
- somaticus Foerster, 1906: 39, 339. N.E. Africa
- (form of pallidus Rambur)
- spatula Fraser, 1946: 15, 46. Argentina
- spectrum Kolenati, 1856: 29, 501.
- (syn. sponsa)
- * sponsa Hansemann, 1823: 2, 159. Europe
- (= nympha Stephens; = forcipula;
- = picteti Fonscolombe; = spectrum)
- spumarius Hagen in Selys, 1862: 13, 309. Puerto Rico
- sternalis Navas, 1930: 13, 21. Colombia
- (= confusus; = pallidus Navas)
- stigmatus Navas, 1924: 18, 9. E. Africa
- (form of pallidus Rambur)
- striatus Selys, 1862: 13, 309. Venezuela
- stultus Hagen, 1861: 67. N.America
- sublatus Hagen, 1862: 13, 307. Surinam
- tarryi Pinhey, 1962: 25, 20. Nigeria
- (form of plagiatius)
- temporalis Selys, 1883: 27, 129. Japan
- tenuatus Rambur, 1842: 245. Antilles
- thoracica Laidlaw, 1920: 19, 152. India
- tikalus Kormondy, 1959: 59, 307. Guatemala
- tricolor Erichson, 1848: 3, 585. S.America
- tridens McLachlan, 1895: 16, 24, (sgen. Paralestes).
- (= niger) C. & E. Africa
- umbrina Selys, 1892: 10, 497. Burma
- uncatus Kirby, 1890: 160.
- (syn. dryas)
- uncifer Karsch, 1899: 25, 173, (sgen. Paralestes). S. Africa
- undulatus Say, 1839: 8, 35. S.America
- (= vittatus; = viridivittatus)
- unguiculatus Hagen, 1861: 70. N.America
- unicolor McLachlan, 1895: 16, 27. Madagascar
- (ssp. of ochraceus)
- urubamba Kennedy, 1942: 13, 282. Peru

- 1.2.2.1.2. *vestalis* Rambur, 1842: 250. Europe
(ssp. of *virens*)
- vidua* Hagen, 1861: 69. N.America
- vigilax* Hagen in Selys, 1862: 13, 306. N.America
- virens* Charpentier, 1825: 8. Europe
(= *sellatus*; has ssp. *marikovskii* & *vestalis*)
- virgatus* Burmeister, 1839: 11, 824. Africa
(= *rothschildi*)
- viridis* Vanderlinden, 1825:36, (sgen.*Chalcolestes*). Europe
(has ssp. *parvidens*)
- viridivittatus* Blanchard, 1849: 6, 118.
(syn. *undulatus*)
- viridulus* Rambur, 1842: 252, (sgen.*Paralestes*). India
- vittatus* Selys, 1850: 331.
(syn. *undulatus*)
- wahlbergi* Ris, 1921: 18, 272.
(form of *pallidus* Rambur)
- 1.2.2.1.-. *Malgassolestes* Pinhey, 1980
(sgen. of *Lestes*)
- 1.2.2.1.3. *Orolestes* McLachlan, 1895
- excelsus* Fraser, 1933: 35, 181. Siam
- koxingai* Chen, 1950: 3, 25.
(syn. *selysi*)
- mirabilis* Matsumura, 1913: 1, 50.
(syn. *selysi*)
- motis* Baijal, 1955: 4, 467. India
- octomaculatus* Martin, 1904: 8, 506. Cambodia
- ridleyi* Laidlaw, 1902: 1, 92.
(syn. *wallacei*)
- * *selysi* McLachlan, 1895: 16, 22. S. & E.Asia
(= *koxingai*; = *mirabilis*)
- udeana* Kruger, 1898: 59, 127.
(syn. *wallacei*)
- wallacei* Kirby, 1889: 302. E.Indies
(= *ridleyi*; = *udeana*)
- 1.2.2.1.-. *Paralestes* Schmidt, 1951
(sgen. of *Lestes*)
- 1.2.2.1.4. *Platylestes* Selys, 1862
- heterostylus* Lieftinck, 1932: 1, 248. Java
- orientalis* Baijal, 1956: 4, 469. India
- * *platystyla* Rambur, 1842: 254, (*Lestes*). India
- 1.2.2.1.-. *Pseudochalcolestes* Pinhey, 1980
(sgen. of *Lestes*)
- 1.2.2.1.5. *Sinhalestes* Fraser, 1951
- orientalis* Hagen, 1859: 9, (*Lestes*) Ceylon

- 1.2.2.1.-. *Xerolestes* Fraser, 1957
(agen. of *Lestes*)
- 1.2.2.2. *Sympecmatinae*. Wings usually closed over back at rest. Dc in forewing shorter than in hind wing. Stigma not elongated.
- 1.2.2.2.1. *Austrolestes* Tillyard, 1913
(incl. *Ceylonolestes* Kennedy, 1920)
- aleison* Watson & Moulds, 1979: 18, 143. W.Australia
 - analis* Rambur, 1842: 253. S. & W. Australia
 - annulosus* Selys, 1862: 13, 332. S. & W. Australia
 - aridus* Tillyard, 1908: 32, 762. Australia
(= *humphriesi*)
 - cheesmanae* Kimmins, 1936: 18, 69. W.Pacific Is.
 - * *cingulatus* Burmeister, 1839. 2, 823, (*Agrion*). S.E.Australia
 - colenonis* White, 1846: 6, 3. New Zealand
 - humphriesi* Lieftinck, 1952: 14, 126.
(syn. *aridus*)
 - insularis* Tillyard, 1913: 37, 425. N.Australia
 - io* Selys, 1862: 13, 330. S.of Australia
 - leda* Selys, 1862: 13, 331. Australia
 - minjerriba* Watson, 1979: 18, 143. Queensland
 - psyche* Selys, 1862: 13, 329. S.E.Australia
- 1.2.2.2.2. *Indolestes* Fraser, 1922
(incl. *Ceylanicolestes* Fraser, 1924;
Esaulestes & *Tricholestes* Fraser, 1957)
- albicaudus* McLachlan, 1895: 16, 23. New Guinea
 - alfurus* Lieftinck, 1960: 10, 143. Moluccas
 - alleni* Tillyard, 1913: 37, 425. N.Australia
(= *tindalei*)
 - anomalus* Fraser, 1946: 15, 43. Siam
 - aruanus* Lieftinck, 1951: 1488, 8. Aru Is.
 - assamicus* Fraser, 1930: 34, 104. Assam
 - bellax* Lieftinck, 1953: 64, 145. Sumba Is.
 - bilineatus* Selys, 1898: 10, 498. Burma
 - birmanus* Selys, 1891: 495. Burma
(ssp. of *gracilis*; [= *davenporti*])
 - buddha* Fraser, 1922: 7, 57.
(syn. *indica*)
 - coerulea* Fraser, 1924: 19, 460. Yunnan
 - cyaneus* Selys, 1862: 13, 335. India
(= *helena*; = *manaliensis*; = *veronica*)
 - dajakanus* Lieftinck, 1948: 41, 3. Borneo
 - davenporti* Fraser, 1930: 34, 96. India
(syn. *gracilis birmanus*)

- 1.2.2.2.2. *divisus* Selys, 1862: 2, 328. Ceylon
extraneus Needham 1930: 11, 233. China
 (= *monteilli*)
floresianus Lieftinck, 1960: 10, 141. Flores Is.
goniocerus Lieftinck, 1960: 10, 154. New Guinea
gracilis Selys, 1862: 13, 327. S. & E. Asia
 (has ssp. *birmanus*, [= *davenporti*]; & *peregrinus*)
helena Fraser, 1922: 7, 60.
 (syn. *cyaneus*)
 * *indicus* Fraser, 1922: 7, 58. Assam
 (= *buddha*)
inflatus Fraser, 1933: 1, 67. Burma
linsleyi Lieftinck, 1960: 10, 148. New Guinea
lundquisti Lieftinck, 1949: 5, 31. New Guinea
luxatus Lieftinck, 1932: 15, 11. New Guinea
lygisticercus Lieftinck, 1932: 15, 13. New Guinea
manaliensis Singh, 1955: 4, 172.
 (syn. *cyaneus*)
monteilli Navas, 1935: 2, 90.
 (syn. *extraneus*)
neglectus Froelich, 1903: 34.
obiri Watson, 1979: 18, 143. N. Australia
peregrinus Ris, 1916: 5, 15. Japan
 (ssp. of *gracilis*)
pulcherrimus Fraser, 1924: 26, 501. W. India
risi Vanderweele, 1909: 9, 23. New Guinea
sutteri Lieftinck, 1953: 64, 142. Sumba Is.
tenuissimus Tillyard, 1906: 31, 179. N. Queensland
tindalei Tillyard, 1925: 3, 42.
 (syn. *alleni*)
veronica Fraser, 1924: 8, 85.
 (syn. *cyaneus*)
vitiensis Tillyard, 1923: 309. Fiji
 1.2.2.2.3. *Sympecma* Selys, 1840
annulata Selys, 1887: 31, 43. Eurasia
 (has ssp. *braueri*, [= *paedisca*; = *striata*];
 & *gobica*; has form *kashmirensis*)
aragoniensis Navas, 1927: 10, 89.
 (syn. *fusca*)
braueri Yakobson & Bianki, 1905: 811 S. & C. Europe
 (ssp. of *annulata*)
 * *fusca* Vanderlinden, 1823: 4, 102, (*Agrion*). Eurasia
 (= *aragoniensis*; = *phallata*)
gobica Foerster, 1900: 238. C. Asia
 (ssp. of *annulata*)

- 1.2.2.2.3. *kashmirensis* Ander, 1944: 14, 175. Kashmir
(form of *annulata*)
- paedisca* Eversmann, 1836: 9, 247.
(syn. *annulata braueri*)
- phallata* Charpentier, 1825: 10.
(syn. *fusca*)
- striata* St. Quentin, 1963: 383.
(syn. *annulata braueri*)
- 1.2.3. Lestoideidae. Small brown and yellow species. Do a regular rect-angle. Reduced IA & CuP; recessed IRiii and Riv; intercalated veins present. Larva with saccoid gills and quadrate labial mask.
- 1.2.3.1.1. *Lestoidea* Tillyard, 1913
- barbarae* Watson, 1967: 6, 77. N. Queensland
- * *conjuncta* Tillyard, 1913: 37, 428. N. Queensland
- 1.2.4. Megapodagrionidae. Small to large Zygoptera. Usually only 2 antenodals. Stigma usually not braced; IRiii & Riv originate near subnodus; intercalated veins usually present. Nodus one third to one fourth of wing length from base. Prox. end of stigma acute (radius embraces). Do long with costal side about twice length of lower side. Male genital hamules quadrate.
- 1.2.4.1. Argiolestinae. Medium sized. Petiolation to past Ac. IRiii arising near subnodus and Riv 1-2 cells proximal to it. Stigma often with forward angle acute.
- 1.2.4.1.1. *Agnophilogenia* Kennedy, 1941
- monotis* Kennedy, 1941: 34, 492. Ecuador
- 1.2.4.1.2. *Agriomorpha* May, 1933
- fusca* May, 1933: 15, 342. China
- 1.2.4.1.3. *Allolestes* Selys, 1869:
- maclachlani* Selys, 1869: 12, 97. Seychelles
- nigra* Martin, 1896, 9, 107.
(syn. *maclachlani*)
- 1.2.4.1.4. *Amanipodagrion* Pinhey, 1962
- gilliesi* Pinhey, 1962: 25, 22. Tanganyika
- 1.2.4.1.5. *Archaeopodagrion* Kennedy, 1939
- * *bicorne* Kennedy, 1939: 32, 33. Ecuador
- bilobatum* Kennedy, 1946: 39, 171. Ecuador
- 1.2.4.1.6. *Argiolestes* Selys, 1862
(incl. *Archiargiolestes* & *Austroargiolestes* Kennedy, 1925;
Risiolestes Fraser, 1926; *Metagrion* Calvert, 1913 &
Wahnesia Foerster, 1900)
- albescens* Tillyard, 1913: 37, 414. S.E. Queensland
(form of *griseus*)

- 1.2.4.1.6. *alfurus* Lieftinck, 1956: 7, 72. Moluscas
- alpinus* Tillyard, 1913: 37, 417. New S.Wales
- amabilis* Foerster, 1899: 71. E.Australia
- amphistylus* Lieftinck, 1949: 5, 41. New Guinea
- annulipes* Lieftinck, 1956: 7, 102. New Guinea
- armeniacus* Lieftinck, 1956: 7, 90. New Guinea
- aulicus* Lieftinck, 1949: 5, 43. New Guinea
- aurantiacus* Ris, 1898: 26, 324. Bismarck Archipelago
- aureus* Tillyard, 1906: 31, 178. N.Queensland
- * *australis* Guérin, 1832: 2, 196, (Agrion). Waigeu Is.
- calcaris* Fraser, 1957: 70. E.Australia
- chrysoides* Tillyard, 1913: 38, 237. S.E.Queensland
- coartans* Lieftinck, 1956: 7, 81. New Guinea
- connectens* Lieftinck, 1956: 7, 79. New Guinea
- convergens* Lieftinck, 1949: 5, 47. New Guinea
- eboracus* Tillyard, 1913: 37, 413. E.Australia
 (form of *griseus*)
- ephippiatus* Lieftinck, 1956: 7, 97. New Guinea
- esuriens* Lieftinck, 1956: 7, 93. New Guinea
- fontanus* Tillyard, 1913: 37, 417. E.Australia
- fontinalis* Lieftinck, 1956: 7, 84. New Guinea
- griseus* Selys, 1862: 14, 40. E.Australia
 (has ssp. *subgriseus*; has forms *albescens*;
 eboracus; *intermedius* & *tenuis*)
- icteromelas* Selys, 1862: 14, 40. E.Australia
 (has form *nobilis*)
- intermedius* Tillyard, 1913: 37, 412. S.E.Australia
 (form of *griseus*)
- kirbyi* Lieftinck, 1935: 17, 210. New Guinea
- lamprostomus* Lieftinck, 1949: 5, 49. New Guinea
- luteipes* Lieftinck, 1956: 7, 94. New Guinea
- macrostylis* Ris, 1913: 9, 475. New Guinea
- metallicus* Sjoestedt, 1917: 11, 24. N.Queensland
- microstigma* Lieftinck, 1956: 7, 99. New Guinea
- minus* Tillyard, 1908: 32, 735. S.W.Australia
- montivagans* Foerster, 1900: 23, 103. New Guinea
- nobilis* Tillyard, 1913: 37, 410. New S.Wales
 (form of *icteromelas*)
- obiensis* Lieftinck, 1956: 7, 75. Moluccas
- obscurus* Selys, 1878: 3, 321.
 (syn. *ornatus*)
- obscurus* Martin, 1909: 60, 202.
 (syn. *tenuispinus*)

- 1.2.4.1.6. *ochraceus* Montrousier, 1364: 11, 247. New Caledonia
 (= *rouxi*)
ochrostomus Lieftinck, 1949: 5, 48. Waigeu Is.
ornatus Selys, 1878: 3, 321. New Guinea
 (= *obscurus* Selys; has ssp. *subornatus*)
pallidistylus Selys, 1878: 3, 320. New Guinea
parvulus Watson, 1977: 16, 197. S.W. Australia
pectitus Lieftinck, 1949: 5, 53. New Guinea
postnodalis Selys, 1878: 3, 319. New Guinea
prothoracalis Lieftinck, 1956: 7, 98. New Guinea
pusillissimus Kennedy, 1925: 67, 292. S.W. Australia
pusillus Tillyard, 1908: 32, 736. S.W. Australia
rouxi Ris, 1915: 2, 60.
 (syn. *ochraceus*)
saltator Lieftinck, 1956: 7, 105. New Guinea
saltuarius Lieftinck, 1956: 7, 101. New Guinea
sidonia Martin, 1909: 40, 195. New Guinea
simplex Lieftinck, 1949: 5, 51. New Guinea
sponsus Lieftinck, 1956: 7, 86. New Guinea
subgriseus Fraser, 1959: 12, 361. E. Australia
 (ssp. of *griseus*)
subornatus Lieftinck, 1935: 17, 206. New Guinea
 (ssp. of *ornatus*)
tenuis Tillyard, 1913: 37, 413. E. Australia
 (form of *griseus*)
tenuispinus Lieftinck, 1938: 2, 73. New Guinea
 (= *obscurus* Martin)
tristis Lieftinck, 1935: 17, 211. New Guinea
- 1.2.4.1.7. *Bornargiolestes* Kimmins, 1936
nigra Kimmins, 1936: 18, 87. Borneo
- 1.2.4.1.8. *Burmargiolestes* Kennedy, 1936
flaviceps Fraser, 1933: 9, 120.
 (syn. *melanothorax* Selys)
laidlawi Lieftinck, 1960: 38, 236. India
 (= *melanothorax* Laidlaw)
melanothorax Laidlaw, 1917: 13, 323.
 (syn. *laidlawi*)
 * *melanothorax* Selys, 1892: 500. S.E. Asia
 (= *flaviceps*)
- 1.2.4.1.9. *Caledargiolestes* Kennedy, 1925
janiceae Lieftinck, 1975: 9, 131. New Caledonia
 * *uniseries* Ris, 1915: 2, 62, (*Argiolestes*). New Caledonia
- 1.2.4.1.10. *Caledopteryx* Kennedy, 1925
maculata Winstanley & Davies, 1982: 11, 339. New Caledonia

- 1.2.4.1.10. *sarasini* Ris, 1916: 2, 58, (*Argiolestes*). New Caledonia
- 1.2.4.1.11. *Calilestes* Fraser, 1926
pallidistigma Fraser, 1926: 8, 489. China
- 1.2.4.1.12. *Celebargiolestes* Kennedy, 1925
cinctus Selys 1886: 38, 86, (*Argiolestes*). Celebes
(= *karnyi*)
karnyi Fraser, 1926: 8, 468.
(syn. *cincta*)
- 1.2.4.1.13. *Dimeragrion* Calvert, 1913
* *percubitale* Calvert, 1913: 65, 165. Guiana
secundum Needham, 1933: 664, 5. Venezuela
- 1.2.4.1.14. *Heteragrion* Selys, 1862.
aequatoriale Selys, 1886: 38, 63. S.America
albifrons Ris, 1918: 82, 89. Costa Rica
alienum Williamson, 1919: 68, 33. C.America
amazonicum Selys, 1886: 38, 60.
(syn. *aurantiacum*)
angustipennis Selys, 1886: 38, 64. Ecuador
aurantiacum Selys, 1862: 14, 25. Brasil
(= *amazonicum*)
beschikii Hagen in Selys, 1862: 14, 27. Brasil
calendulum Williamson, 1919: 68, 36. Colombia
chrysops Hagen in Selys, 1862: 14, 28. Venezuela
cinnamomeum Hagen in Selys, 1862: 14, 26.
(syn. *ochraceum*)
consors Hagen in Selys, 1862: 14, 27. Brasil
dorsale Selys, 1862: 14, 23. Brasil
eboratum Donnelly: 1965: 67, 96. Guatemala
erythrogastrum Selys, 1886: 38, 61. Panama
flavidorsum Calvert, 1909: 6, 111. Bolivia
* *flavovittatum* Selys, 1862: 14, 20. Brasil
ictericum Williamson, 1919: 68, 17. Guiana
icterops Selys, 1862: 14, 29. S.America
inca Calvert, 1909: 6, 108. Peru
macilentum Hagen in Selys, 1862: 14, 26. Venezuela
majus Selys, 1862: 38, 62. Chiriqui
melanurum Williamson, 1919: 68, 20. Guiana
mitratum Williamson, 1919: 68, 39. Colombia
obsoletum Selys, 1886: 38, 57. Brasil
ochraceum Hagen in Selys, 1862: 14, 24. Brasil
(= *cinnamomeum*)
ovatum Selys, 1862: 14, 21. Brasil

- 1.2.4.1.14. peregrinum Williamson, 1919: 68, 51. Colombia
 romani Sjoestedt, 1918: 15, 8. Brasil
 silvarum Sjoestedt, 1918: 15, 4. Brasil
 simulatum Williamson, 1919: 68, 47. Guiana
 speciosum Sjoestedt, 1918: 15, 7. Peru
 triangulare Hagen in Selys, 1862: 14, 22. Brasil
 tricellulare Calvert, 1901: 63. Guatemala
- 1.2.4.1.15. Heteropodagrion Selys, 1885
 * sanguinipes Selys, 1885: 29, 144. Ecuador
 superbum Ris, 1918: 82, 89. Colombia
- 1.2.4.1.16. Mesagrion Selys, 1885
 leucorhinum Selys, 1885: 29, 144. Colombia
- 1.2.4.1.17. Nesolestes Selys, 1891
 albicaudus Fraser, 1952: 1, 137. Madagascar
 albicolor Fraser, 1955: 7, 50. Madagascar
 * alboterminatus Selys, 1891: 35, 400. Madagascar
 angydna Schmidt, 1951: 6, 142. Madagascar
 drocera Fraser, 1951: 6, 415. Madagascar
 elizabethae Liefstinck, 1965: 76, 243. Madagascar
 forficuloides Fraser, 1955: 7, 51. Madagascar
 mariae Aguesse, 1968: 4, 650. Madagascar
 martini Schmidt, 1951: 6, 138. Madagascar
 nigeriensis Gambles, 1970: 103, 53. Nigeria
 pauliani Fraser, 1951: 6, 413. Madagascar
 pulverulans Liefstinck, 1965: 76, 239. Madagascar
 radama Liefstinck, 1965: 76, 241. Madagascar
 ranavalonae Schmidt, 1951: 6, 136. Madagascar
 robustus Aguesse, 1968: 4, 649. Madagascar
 rubristigma Martin, 1903: 8, 510. Madagascar
 tuberculicollis Fraser, 1949: 3, 11. Madagascar
- 1.2.4.1.18. Neuragrion Karsch, 1891
 mysticum Karsch, 1891: 6, 105. Ecuador
- 1.2.4.1.19. Neurolestes Selys, 1882
 trinervis Selys, 1885: 29, 144. Cameroons
- 1.2.4.1.20. Oxystigma Williamson, 1919
 * cyanofrons Williamson, 1919: 68, 58. Guiana
 petiolatum Selys, 1862: 14, 30. Brasil
 williamsoni Geijskes, 1976: 5, 221. Surinam
- 1.2.4.1.21. Paraphlebia Hagen, 1861

- 1.2.4.1.21. abrogata Calvert, 1907: 355. Guatemala
 duodecima Calvert, 1901: 60. Guatemala
 hyalina Brauer, 1871: 21, 105. Mexico
 quinta Calvert, 1901: 60. Guatemala
 * zoe Hagen, 1861: 72. Mexico
- 1.2.4.1.22. Philogenia Selys, 1862
 augusti Calvert, 1924: 50, 42. Panama
 berenice Higgins, 1901: 136. Peru
 carrillica Calvert, 1907: 356. Costa Rica
 cassandra Hagen in Selys, 1862: 14, 12. Venezuela
 championi Calvert, 1901: 61. Panama
 cristalina Calvert, 1924: 50, 35. Colombia
 elisabeta Calvert, 1924: 50, 29. Peru
 expansa Calvert, 1924: 50, 50. Costa Rica
 ferox Racenis, 1959: 2, 353. Venezuela
 helena Hagen, 1869: 30, 261. Colombia
 lankesteri Calvert, 1924: 50, 51. Costa Rica
 leonora Westfall & Cumming, 1956: 1, 244. Panama
 * margarita Selys, 1862: 14, 11. Brasil
 polyxena Calvert, 1924: 50, 27. Venezuela
 raphaella Selys, 1886: 38, 37. Colombia
 schmidtii Ris, 1918: 82, 79. Bolivia
 silvarum Ris, 1918: 82, 80. Peru
 terraba Calvert, 1907: 356. Costa Rica
 umbrosa Ris, 1918: 82, 78. Peru
 zeteki Westfall & Cumming, 1956: 1, 241. Panama
- 1.2.4.1.23. Podolestes Selys, 1962
 atomarius Lieftinck, 1950: 31, 41. Borneo
 buwaldai Lieftinck, 1940: 17, 347. Sumatra
 chrysopus Selys, 1889: 27, 479. Borneo
 coomansi Lieftinck, 1940: 17, 348. Sumatra
 furcifer Lieftinck, 1950: 31, 44. Borneo
 harrissoni Lieftinck, 1953: 22, 233. Borneo
 * orientalis Selys, 1862: 14, 42. Malaya
- 1.2.4.1.24. Podopteryx Selys, 1871
 casuarina Lieftinck, 1949: 5, 39. New Guinea
 * roseonotata Selys, 1871: 415. New Guinea/Queensland
 selysi Foerster, 1899: 70. New Guinea/Queensland
- 1.2.4.1.25. Protolestes Foerster, 1899

- 1.2.4.1.25. * *fickei* Foerster, 1899: 25, 188. Madagascar
fickei Schmidt, 1951: 6, 148.
 (syn. *proselytus*)
furcatus Aguesse, 1967: 14, 280. Madagascar
kerckhoffae Fraser, 1949: 3, 14. Madagascar
leonorae Fraser, 1949: 3, 15. Madagascar
milloti Fraser, 1949: 3, 13. Madagascar
proselytus Lieftinck, 1965: 76, 246. Madagascar
 (= *fickei* Schmidt)
rufescens Aguesse, 1967: 14, 277. Madagascar
simonei Aguesse, 1967: 14, 277. Madagascar
- 1.2.4.1.26. *Rhinagrion* Calvert, 1913
 (= *Amphilestes* Selys, 1862)
borneense Selys, 1886: 38, 93. Borneo
elopuræ McLachlan, 1886: 38, 221. N.Borneo
 * *macrocephalum* Selys, 1862: 14, 43, (*Amphilestes*). Malaya
mima Karsch, 1891: 17, 242. Sumatra
philippina Selys, 1882: 11, 26. Bohol Is. (Philippines)
tricolor Kruger, 1893: 59, 136. Java
viridatum Fraser, 1938: 7, 198. Burma-Siam
- 1.2.4.1.27. *Sciotropis* Racenis, 1959
cyclanthorum Racenis, 1959: 2, 357. Venezuela
- 1.2.4.1.28. *Trineuragrion* Ris, 1915
percostale Ris, 1915: 2, 63. New Caledonia
- 1.2.4.2. *Coryphagrioninae*. Very large. Clear wings, petiolate to about
 Ac. Anal vein and CuP well developed. Nodus over quarter length from
 wing base. Stigma rhomboidal, well braced. Two antenodals, Ac nearer
 2nd than 1st antenodal, arc at 2nd. Dc trapezoid with lower distal angle
 acute. Postnodals 28 to 40. Supplementary sectors poorly developed,
 only short intercalaries from or beyond level of stigma. R2 rather
 sharply curved below stigma and almost angulated.
- 1.2.4.2.1. *Coryphagrion* Morton, 1924
grandis Morton, 1924: 57, 218. E.Africa
- 1.2.4.3. *Hypolestinae*. IRiii and Riv recessed; no accessory antenodals;
 Postnodals aligned. Dc with slightly acute lower distal angle.
- 1.2.4.3.1. *Hypolestes* Gundlach, 1888
 (= *Ortholestes* Calvert, 1891)
abbotti Calvert, 1893: 382.
 (syn. *trinitatis*)
clara Calvert, 1891: 2, 199. Jamaica
 * *trinitatis* Gundlach, 1888: 2, 216, (*Lestes*). West Indies
 (= *abbotti*)

- 1.2.4.4. Megapodagrioninae. Medium sized. Long legs. Wings petiolate to cubital cross vein; postnodals aligned; Dc with lower distal angle acute. IRiii arising at nodus, Riv 1-2 cells proximal to it. Anal vein arising level to proximal third of Dc. Male superior anal appendages forcipate.
- 1.2.4.4.1. Arrhenocnemis Liefstinck, 1933
 amphidactylis Liefstinck, 1949: 5, 92. New Guinea
 * *sinuatipennis* Liefstinck, 1933: 17, 6. New Guinea
- 1.2.4.4.2. Megapodagrion Selys, 1885
 (incl. Allopodagrion Foerster, 1910)
 arachne Racenis, 1959: 2, 342. Venezuela
 contortum Selys, 1862: 14, 15. Brasil
 curtum Selys, 1886: 38, 46. Ecuador
 erinyis Ris, 1913: 22, 60. Argentina
 lepidum Racenis, 1959: 2, 346. Venezuela
 macropus, Selys, 1862: 14, 16. Venezuela
 * *megalopus* Selys, 1862: 14, 14, (Podagrion) Amazonia
 mercenarium Hagen, 1869: 30, 261. Colombia
 nebulosum Selys, 1886: 38, 43. Peru
 oscillans Selys, 1862: 14, 16. Colombia
 setigerum Selys, 1886: 38, 42. Ecuador
 temporale Selys, 1862: 14, 18. Colombia
 venale Hagen in Selys, 1862: 14, 17. Venezuela
- 1.2.4.4.3. Mesopodagrion McLachlan, 1896
 * *tibetanum* McLachlan, 1896: 17, 372. Tibet
 yachowense Chao, 1953: 3, 331. Tibet
- 1.2.4.4.4. Tatocnemis Kirby, 1899
 (= Nesocnemis Selys, 1891)
 crenulatipennis Fraser, 1952: 1, 135. Madagascar
 denticularis Aguesse, 1968: 4, 652. Madagascar
 emarginatipennis Fraser, 1960: 12, 68. Madagascar
 * *malgassica* Kirby, 1889: 298, 302. Madagascar
 mellisi Schmidt, 1951: 6, 156. Madagascar
 micromalgassica Aguesse, 1968: 4, 652. Madagascar
 olsufieffi Schmidt, 1951: 6, 163. Madagascar
 robinsoni Schmidt, 1951: 6, 165. Madagascar
 sinuatipennis Selys, 1891: 35, 402. Madagascar
- 1.2.4.5. Philosininae. Large, primitive (?) form. IRiii and Riv arise nearer to subnodus than to arc. Penis with slender, doubly curved recurrent lobes. CuP short.

- 1.2.4.5.1. *Philosina* Ris, 1917
 buchi Ris, 1917: 60, 189. China
- 1.2.4.6. *Thaumtoneurinae*. Large waterfall dweller. *IRiii* and *Riv* not recessed. Nodus close to wing base; extra antenodals; postnodals not aligned. Many extra cross veins and intercalaries, anal vein well developed. Larva with saccoid gills, quadrate mask.
- 1.2.4.6.1. *Thaumtoneura* McLachlan, 1897
 * *inopinata* McLachlan, 1897: 33, 131. Panama
 (has form *pellucida*)
 pellucida Calvert, 1904: 15, 216. Costa Rica
 (form of *inopinata*)
- 1.2.5. *Perilestidae*. Small slender species with long abdomen. Arc distal to 2nd antenodal; *Riv* arising from subnodus; *IRiii* arising 3-5 cells distal to nodus; basal part of radius thickened; *Dc* impinges on post. border of wing; no oblique cross vein between *Riii* and *IRiii*.
- 1.2.5.1.1. *Nubiolestes* Fraser, 1945
 (= *Camerunolestes* Schmidt, 1958;
 = *Eolestes* Fraser, 1944)
 diotima Fraser, 1944: 13, 66, (*Eolestes*). Cameroons
- 1.2.5.1.2. *Perilestes* Hagen in Selys, 1862
 attenuatus Selys, 1886: 38, 68. Brasil
 bispinus Kimmins, 1958: 7, 353. Brasil
 * *fragilis* Hagen in Selys, 1862: 14, 32. Brasil
 gracillimus Kennedy, 1941: 34, 669. Peru
 kahli Williamson & Williamson, 1924: 14, 24. Brasil
 minor Williamson & Williamson, 1924: 14, 34. Brasil
 solutus Williamson & Williamson, 1924: 14, 30. Brasil
- 1.2.5.1.3. *Perissolestes* Kennedy, 1941
 aculeatus Kennedy, 1941: 34, 684. Brasil
 castor Kennedy, 1937: 30, 411. Ecuador
 cornutus Selys, 1886: 68. Brasil
 guianensis Williamson & Williamson, 1924: 14, 12. Guiana
 klugi Kennedy, 1941: 34, 673. Peru
 magdalenae Williamson & Williamson, 1924: 14, 1. Colombia
 paprzyckii Kennedy, 1941: 34, 852. Peru
 pollux Kennedy, 1937: 30, 418. Ecuador
 * *remotus* Williamson & Williamson, 1924: 14, 14, (*Perilestes*). Colombia
 remus Kennedy, 1941: 34, 682. Ecuador
 romulus Kennedy, 1941: 34, 676. Peru
- 1.2.6. *Pseudolestidae*. *IRiii* and *Riv* recessed (incompletely in *Rhipidolestes*).

No accessory antenodals; postnodals aligned (not in *Pseudolestes*, which has hind wing short and metallic). Dc with slightly acute lower distal angle.

- 1.2.6.1.1. *Lestomima* May, 1933
 flavostigma May, 1933: 15, 345. China
- 1.2.6.1.2. *Pseudolestes* Kirby, 1900
 mirabilis Kirby, 1900: 1, 538. Hainan
- 1.2.6.1.3. *Rhipidolestes* Ris, 1912
 (= *Taolestes* Needham, 1930)
- * *aculeatus* Ris, 1912: 1, 59. Formosa
 (has ssp. *yakusimensis*)
- apicalis* Matsumura, 1913: 1, 51.
 (syn. *okinawanus*)
- apicatus* Navas, 1934: 2, 4. China
- bidens* Schmidt, 1931: 10, 180. China
 (syn. *nectans*)
- jucunda* Lieftinck, 1948: 41A, 9. China
- malaisei* Lieftinck, 1948: 41A, 7. Burma
- nectans* Needham, 1928: 11. China
 (= *bidens*)
- okinawanus* Asahina, 1951: 19, 15. Okinawa
 (= *apicalis*)
- rubripes* Navas, 1936: 44. China
- truncatidens* Schmidt, 1931: 10, 181. China
- yakusimensis* Asahina, 1951: 19, 15. Ryukyu Is.
 (ssp. of *aculeatus*)

1.3. Hemiphlebioidea. Small Zygoptera, wings with 2 antenodals, postnodals not in line with the cross vein below them. Anal vein separate from wing border from its base. Dc of fore wing open at base; arc distal to second antenodal.

1.3.1. Hemiphlebiidae. Small and slender, metallic green. Wings broadening rather than petiolate; gizzard with likely archaic features.

1.3.1.1. Hemiphlebia Selys, 1869

mirabilis Selys, 1869: 11, 73.

S.E. Australia

- 1.4. Coenagrionoidea. Wings petiolate, usually hyaline and with 2 antenodals; arc. approx. in line with distal primary antenodal; postnodals usually in line with cross veins below them; Dc closed at base and not crossed; anal vein fused at base with posterior border of wing; IRiii & Riv arise nearer to nodus than to arc. First thoracic suture reaching only to spiracle. Male genital hamules quadrate. Larva with 3 leaf-like caudal appendages.
- 1.4.1. Coenagrionidae. Generally small Zygoptera. Anal vein and CuP present, arc at level of 2nd antenodal; Dc short, trapezoidal with distal angle sharply acute. MA and IRiii zig-zagged.
- 1.4.1.1. Agriocnemidinae. Very small forms, petiolation stops short of Ac. Arc widely distal to distal antenodal. Pterostigma often differs between fore and hind wings. No vulvar spine.
- 1.4.1.1.1. Agriocnemis Selys, 1877
(incl. Argyrocnemis Kennedy, 1920)
- | | |
|---|--------------------------|
| adceres Lieftinck, 1932: <u>15</u> , 114. | New Guinea |
| albifrons Balinsky, 1963: <u>26</u> , 249.
(ssp. of <u>ruberrima</u>) | Bechuanaland |
| aligulae Pinhey, 1974: <u>5</u> , 235. | Zaire |
| angolensis Longfield, 1947: <u>16</u> , 15.
(has ssp. <u>spatulae</u>) | Angola |
| angustirami Pinhey, 1974: <u>5</u> , 274. | Liberia |
| argentea Tillyard, 1906: <u>31</u> , 192. | N. & W. Australia |
| australis Selys, 1877: <u>43</u> , 155. | Queensland |
| binocellata Fraser, 1922: <u>4</u> , 233. | Siam |
| carmelita Selys, 1877: <u>43</u> , 155. | Ammam |
| clauseni Fraser, 1922: <u>7</u> , 53. | S.E. Asia |
| consimilis Grunberg, 1902: 230.
(syn. <u>gratiosa</u>) | |
| corbeti Kumar & Prasad, 1978: <u>75</u> , 174. | India |
| dabreui Fraser, 1919: <u>16</u> , 454. | India |
| dobsoni Fraser, 1954: <u>7</u> , 147. | Queensland |
| ebneri Ris, 1924: <u>99</u> , 277.
(syn. <u>zerafica</u>) | |
| exilis Selys, 1872: <u>23</u> , 182.
(= <u>pinheyi</u>) | Africa |
| exsudans Selys, 1877: <u>43</u> , 148. | New Caledonia |
| falcifera Pinhey, 1959: <u>22</u> , 465.
(has ssp. <u>transvaalica</u>) | Zululand |
| femina Brauer, 1868: <u>18</u> , 554.
(= <u>incisa</u> ; = <u>materna</u> ; = <u>pulverulans</u> ;
has ssp. <u>oryzae</u>) | Malaysia to N. Australia |

- 1.4.1.1.1. *flavilabris* Campion, 1924: 57, 18.
(syn. *forcipata*)
- forcipata* le Roi, 1915: 1, 341. Africa
(= *flavilabris*)
- gratiosa* Gerstaecker, 1891: 9, 190. Africa
(= *consimilis*)
- hyacintha* Tillyard, 1913: 37, 457.
(syn. *pygmaea*)
- incisa* Selys, 1877: 43, 149.
(syn. *femina*)
- interrupta* Fraser, 1927: 7, 22. Samoa
- inversa* Karsch, 1899: 25, 380. C.Africa
- keralensis* Peters, 1981: 28, 103. India
- kunjina* Watson, 1969: 17, 76. N.W.Australia
- * *lacteola* Selys, 1877: 43, 144. India
- luteola* Navas, 1936: 3, 47. China
- maclachlani* Selys, 1877: 43, 152. W.Africa
- materna* Selys, 1877: 57.
(syn. *femina*)
- merina* Lieftinck, 1965: 76, 254. Madagascar
- minima* Selys, 1877: 43, 145. E.Indies
- naia* Fraser, 1923: 29, 747. India
- nainitalensis* Sahni, 1965: 27, 206. N.India
- nana* Laidlaw, 1914: 8, 348. Malaysia
- oryzae* Lieftinck, 1962: 5, 44. Micronesia
(ssp. of *femina*)
- palaeforma* Pinhey, 1959: 22, 465. Uganda
- pieli* Navas, 1933: 9, 2. China
- pieris* Laidlaw, 1919: 16, 179. India
- pinheyi* Balinski, 1963: 26, 247.
(syn. *exilis*)
- pulverulans* Selys, 1877: 43, 150.
(syn. *femina*)
- pygmaea* Rambur, 1842: 278. E.Old World
(= *hyacintha* = *velaris*; has ssp. *sania*)
- ruberrima* Balinsky, 1961: 24, 74. Zululand
(has ssp. *albifrons*)
- rubricauda* Tillyard, 1913: 37, 459. N.Australia
(= *thoracalis*)
- salomonis* Lieftinck, 1949: 20, 349. Solomon Is.
- sania* Nielsen, 1959: 16, 33. N. & N.E.Africa
(ssp. of *pygmaea*)
- spatulae* Pinhey, 1974: 5, 256. Zambia
(ssp. of *angolensis*)

- 1.4.1.1.1. *splendidissima* Laidlaw, 1919: 16, 180. India
thoracalis Sjoestedt, 1917: 11, 35.
 (syn. *rubricauda*)
transvaalica Pinhey, 1974: 5, 213. S.Africa
 (ssp. of *falcifera*)
trilobata Sjoestedt, 1917: 11, 36. N.Queensland
velaris Selys, 1882: 11, 31.
 (syn. *pygmaea*)
victoria Fraser, 1928: 76, 123. Uganda
vitiensis Tillyard, 1923: 337. Fiji
 (syn. *exsudans* ?)
zerafica le Roi, 1915: 1, 343. Africa
 (= *ebneri*)
- 1.4.1.1.2. *Argiocnemis* Selys, 1877
arborensis Laidlaw, 1914: 8, 347. Abor
ensifera Lieftinck, 1932: 15, 105. New Guinea
intermedia Selys, 1877: 43, 138. Philippines
 (ssp. of *rubescens*)
lunulata Selys, 1877: 43, 139. Celebes
 (ssp. of *rubescens*)
nigricans Selys, 1877: 43, 140.
 (syn. *rubescens*)
obscura Laidlaw, 1914: 8, 346.
 (syn. *rubescens*)
rubeola Selys, 1877: 43, 137. E.Indies
 (ssp. of *rubescens*)
 * *rubescens* Selys, 1877: 136. S.E.Asia-Australia
 (= *nigricans*; = *obscura*; has ssp.
intermedia, *lunulata* & *rubeola*
 [= *sumatrana*])
solitaria Selys, 1872: 23, 181. Rodriguez
sumatrana Kruger, 1898: 59, 290.
 (syn. *rubescens* *rubeola*)
umbargae Pinhey, 1970: 4, 1. W.Africa
- 1.4.1.1.3. *Austrocnemis* Tillyard, 1913
maccullochi Tillyard, 1926: 15, 160. Papua-N.Australia
 * *spendida* Martin, 1901: 14, 247, (*Agriocnemis*). E.Australia
- 1.4.1.1.4. *Coenargiocnemis* Fraser, 1949
 (= *Coenargiocnemis* Fraser, 1949)
 * *insularis* Selys, 1872: 179, (*Agrion*) Mauritius
mauritiana Selys, 1872: 180.
 (syn. *rufipes*)
ramburi Fraser, 1950: 19, 70. Mauritius
reuniensis Fraser, 1957: 8, 17. Reunion

- 1.4.1.1.4. *rufipes* Rambur, 1842: 256. Mauritius
(= *mauritiana*)
- 1.4.1.1.5. *Mortonagrion* Fraser, 1920
(incl. *Indagrion* Fraser, 1922)
- alcyone* Laidlaw, 1931: 16, 249. Borneo
- amoena* Ris, 1915: 58, 10. E.Indies
- appendiculatum* Lieftinck, 1937: 16, 102. Billiton Is.
- arthuri* Fraser, 1942: 11, 97. Malaya
- ceylonicum* Lieftinck, 1970: 1, 197. Sri Lanka
- falcatum* Lieftinck, 1934: 3, 12. E.Indies
- forficulatum* Lieftinck, 1953: 22, 392. Borneo
- gautama* Fraser, 1922: 7, 50. India
- hirosei* Asahina, 1972: 40, 11. Japan
- martini* Ris, 1900: 66, 199. Bismarck Archipelago
- selenion* Ris, 1916: 5, 26. Japan
- simile* Ris, 1930: 21, 7. Malaysia
- stygia* Fraser, 1954: 50, 274. C.Africa
- * *varralli* Fraser, 1920: 27, 148. India
- 1.4.1.2. *Arginae*. Discoidal field of fore wing short and broad, wing briefly petiolate; Dc short and wide, dilating outwardly; antenodals close and converging posteriorly; arc at level of distal antenodal, anal vein arises proximal to Ac; females with no vulvar spine.
- 1.4.1.2.1. *Archboldargia* Lieftinck, 1949
- gloriosa* Lieftinck, 1949: 5, 145. New Guinea
- mirifica* Lieftinck, 1949: 5, 142. New Guinea
- 1.4.1.2.2. *Argia* Rambur, 1842
(incl. *Chalcargia*, *Leptargia* & *Micrargia*
Kennedy, 1920; *Diargia* Calvert, 1909;
Hyponeura Selys, 1854)
- adamsi* Calvert, 1902: 80. Panama
- agrioides* Calvert, 1895: 2, 476. N.America
- alberta* Kennedy, 1918: 50, 257. N.America
- albistigma* Hagen in Selys, 1865: 20, 402. Uruguay
- ambigua* Navas, 1934: 31, 179. Brasil
- angustana* Navas, 1934: 31, 180. Colombia
- atra* Gloyd, 1968: 658. N.America
(ssp. of *fumipennis*)
- apicalis* Say, 1839: 8, 401. N.America
- barretti* Calvert, 1902: 87. N.America
- bicellulata* Calvert, 1909: 6, 73. Brasil
- binoçata* Walsh, 1862: 387.
(syn. *tibialis*)

1.4.1.2.2.	bipunctulata Hagen in Selys, 1865: <u>20</u> , 415.	USA
	botacudo Calvert, 1909: <u>6</u> , 148.	N.America
	calida Hagen, 1861: 93.	Mexico
	chapadae Calvert, 1909: <u>6</u> , 146.	Brasil
	charalana Navas, 1924: <u>18</u> , 16.	Colombia
	chelata Calvert, 1902: 88.	C.America
	clausseni Selys, 1865: <u>20</u> , 386.	Brasil
	collata Selys, 1865: <u>20</u> , 395.	S.America
	columbiana Navas, 1924: <u>18</u> , 15.	Colombia
	concinna Rambur, 1842: 270.	W.Indies
	croceipennis Selys, 1865: <u>20</u> , 393.	Brasil
	cupraurea Calvert, 1902: 85.	Panama
	cuprea Hagen, 1861: 96.	Mexico
	cyathigera Navas, 1934: <u>16</u> , 181.	Brasil
	dagnina Foerster, 1914: <u>80</u> , 62.	Colombia
	deami Calvert, 1901: 90.	Mexico
	difficilis Selys, 1865: <u>20</u> , 413.	Peru
	dimissa Selys, 1865: <u>20</u> , 388.	Brasil
	dives Foerster, 1914: <u>80</u> , 61.	Peru
	eliptica Selys, 1865: <u>20</u> , 393.	Brasil
	emma Kennedy, 1915: <u>49</u> , 271.	N.America
	espalensis Navas, 1935: <u>17</u> , 35.	Colombia
	euphorbia Fraser, 1946: <u>97</u> , 457.	Peru
	extranea Hagen, 1861: 92.	C.America
	fissa Selys, 1865: <u>20</u> , 401.	Colombia
	fontium Hagen, 1861: 91. (syn. tibialis)	
	forficula Fraser, 1946: <u>97</u> , 456.	Peru
	fosteri Calvert, 1909: <u>6</u> , 128.	Paraguay
	fraudatricula Foerster, 1914: <u>80</u> , 64.	Peru
	frequentula Calvert, 1907: 365.	C.America
	fulvida Navas, 1934: <u>30</u> , 137.	Colombia
	fumigata Hagen in Selys, 1865: <u>20</u> , 394.	Guiana
	* fumipennis Burmeister, 1839: 819, (Agrion). (= obscura; has ssp. atra & violacea)	N.America
	funcki Selys, 1854: 275.	C.America
	funebria Hagen, 1861: 92.	Mexico
	gaumeri Calvert, 1907: 363.	C.America
	gerhardi Calvert, 1909: <u>6</u> , 130. (has ssp. nigrior)	Bolivia

1.4.1.2.2.	hamulata Fraser, 1946: <u>97</u> , 447.	Colombia
	harknessi Calvert, 1899: <u>1</u> , 400.	Mexico
	hasemani Calvert, 1909: <u>6</u> , 137.	Brasil
	hebdomatica Navas, 1934: <u>30</u> , 140.	Colombia
	herberti Calvert, 1902: 82.	Mexico
	hinei Kennedy, 1918: <u>50</u> , 258.	N.America
	huallaga Fraser, 1946: <u>97</u> , 450.	Peru
	huanacina Foerster, 1914: <u>80</u> , 67.	Peru
	icterica Navas, 1934: <u>30</u> , 138.	Colombia
	ierea Geijskes, 1932: <u>14</u> , 244; 1943: 174. (syn. insipida)	
	immunda Hagen, 1861: 93.	Mexico
	impura Rambur, 1842: 255.	Amazon
	inculta Hagen in Selys, 1865: <u>20</u> , 400.	Peru
	indicatrix Calvert, 1902: 82.	Mexico
	indocilis Navas, 1934: <u>31</u> , 183.	Brasil
	infrequentula Fraser, 1946: <u>97</u> , 451.	Colombia
	infumata Selys, 1865: <u>20</u> , 392.	Brasil
	insipida Hagen in Selys, 1865: <u>20</u> , 389. (= ierea)	S.America
	intruda Williamson, 1912: <u>23</u> , 200. (syn. moesta)	
	iralai Calvert, 1909: <u>6</u> , 153.	Paraguay
	jocosa Selys, 1865: <u>20</u> , 408.	Colombia
	joergenseni Ris, 1913: <u>22</u> , 62.	Argentina
	johannella Calvert, 1906: 370.	C.America
	jujuya Ris, 1916: <u>22</u> , 64.	Argentina
	kokama Calvert, 1909: <u>6</u> , 132.	Peru
	kurilis Hagen in Selys, 1865: <u>20</u> , 400. (syn. vivida)	
	lacrimans Hagen, 1861: 95.	Mexico
	lilacina Selys, 1865: <u>20</u> , 405.	Brasil
	limitata Navas, 1924: <u>18</u> , 19.	Peru
	lobata Navas, 1924: <u>18</u> , 17.	Colombia
	lugens Hagen, 1861: 95.	N.America
	machadina Foerster, 1914: <u>80</u> , 63	Brasil
	makoka Fraser, 1946: <u>97</u> , 455.	Peru
	mariensis Calvert, 1961: <u>113</u> , 5.	Peru
	medinensis Navas, 1935: <u>17</u> , 35.	Colombia
	medullaris Hagen in Selys, 1865: <u>20</u> , 412.	Colombia

1.4.1.2.2.	mishuyaca Fraser, 1946: <u>97</u> , 453.	Peru
.	missionensis Fraser, 1948: <u>5</u> , 58.	Argentina
	mista Navas, 1933: <u>16</u> , 70.	Mexico
	modesta Selys, 1865: <u>20</u> , 388.	Brasil
	moesta Hagen, 1861: 94. (= intruda; = putrida)	N.America
	mollis Hagen in Selys, 1865: <u>20</u> , 398.	Brasil
	mollusca Fraser, 1946: <u>97</u> , 454.	Peru
	munda Calvert, 1901: 96. (= rita)	N.America
	muzana Navas, 1934: <u>30</u> , 139.	Colombia
	nahuana Calvert, 1901: 99. (= saalasi)	N.America
	nigrior Calvert, 1909: <u>6</u> , 132. (ssp. of gerhardi)	Bolivia
	obscura Rambur, 1842: 403. (syn. fumipennis fumipennis)	
	oculata Selys, 1865: <u>20</u> , 409.	Brasil
	oenea Hagen in Selys, 1865: 407.	N.America
	orichalcea Hagen in Selys, 1865: <u>20</u> , 408.	Venezuela
	pallens Calvert, 1902: 98. (= solita)	N.America
	percellulata Calvert, 1902: <u>74</u> ,	Mexico
	pipila Calvert, 1906: 373.	C.America
	plana Calvert, 1901: 96.	N.America
	pocomana Calvert, 1907: 375.	C.America
	popoluca Calvert, 1902: 82.	Mexico
	pulla Hagen in Selys, 1865: <u>20</u> , 410.	C.America
	putrida Hagen, 1861: 96. (syn. moesta)	
	reclusa Selys, 1865: <u>20</u> , 395.	Brasil
	rectangula Navas, 1920: <u>5</u> , 1.	Colombia
	rhoadsi Calvert, 1901: 92.	Mexico
	rita Kennedy, 1919: <u>51</u> , 17. (syn. munda)	
	rogersi Calvert, 1901: 83.	Costa Rica
	saalasi Valle, 1943: <u>8</u> , 164. (syn. nahuana)	
	sedula Hagen, 1861: 94.	N.America
	serva Hagen in Selys, 1865: <u>20</u> , 387.	Brasil
	smithiana Calvert, 1909: <u>6</u> , 140.	Brasil
	solita Kennedy, 1918: <u>50</u> , 265. (syn. pallens)	

1.4.1.2.2.	sordida Selys, 1865: <u>20</u> , 387.	S.America
	spegazzinii Navas, 1933: <u>16</u> , 69.	Mexico
	stigmatica Navas, 1934: <u>30</u> , 141.	Colombia
	subapicalis Calvert, 1909: <u>6</u> , 151.	Brasil
	talamanca Calvert, 1906: 371.	C.America
	tamoyo Calvert, 1909: <u>6</u> , 139.	Brasil
	tarascana Calvert, 1901: 90.	Mexico
	terira Calvert, 1906: 362.	C.America
	ternaria Navas, 1934: <u>3</u> , 142.	Colombia
	tezpi Calvert, 1901: 77.	N.America
	theodori Navas, 1934: <u>31</u> , 182.	Brasil
	thespis Hagen in Selys, 1865: <u>20</u> , 397.	Brasil
	thisma Calvert, 1909: <u>6</u> , 141.	Brasil
	tibialis Rambur, 1842: 241. (= binotata; = fontium)	N.America
	tinctipennis Selys, 1865: <u>20</u> , 396.	Amazonia
	tonto Calvert, 1901: 89.	N.America
	translata Hagen in Selys, 1865: <u>20</u> , 410.	N. & S.America
	trifoliata Fraser, 1946: <u>97</u> , 449.	Colombia
	trina Navas, 1934: <u>30</u> , 143.	Colombia
	tupi Calvert, 1909: <u>16</u> , 150.	Brasil
	ulmeca Calvert, 1901: 80.	Mexico
	umbriaca Fraser, 1946: <u>97</u> , 451.	Colombia
	underwoodi Calvert, 1906: 370.	C.America
	variabilis Selys, 1865: <u>20</u> , 406.	Mexico
	variata Navas, 1935: <u>17</u> , 34.	Colombia
	variegata Foerster, 1914: <u>80</u> , 65.	Ecuador
	violacea Hagen, 1861: 90. (ssp. of fumipennis)	N.America
	vivida Hagen in Selys, 1865: <u>20</u> , 406. (= kurilis)	N.America
	wilsoni Calvert, 1902: 75.	Guatemala

(Note: there are about 30 entries to be synonymized and about 30 new species to be described in Argia, - Gloyd, 1982: personal communication.)

1.4.1.2.3.	Hylaeargia Lieftinck, 1949	
	simulatrix Lieftinck, 1949: <u>5</u> , 136.	New Guinea
1.4.1.2.4.	Moroargrion Needham & Gyger, 1939	
	danielli Needham & Gyger, 1939: <u>70</u> , 279.	Philippines
1.4.1.2.5.	Onychargia Selys, 1865	
	* atrocyana Selys, 1865: <u>20</u> , 416.	S.E.Asia

- 1.4.1.3.1. *coeruleum* Tillyard, 1908: 32, 739.
(syn. *cyane*)
- * *cyane* Selys, 1876: 42, 508, (*Pseudagrion*). W.Australia
(= *coeruleum*)
- exclamationis* Campion, 1915: 16, 106. N.E.Australia
- pindrina* Watson, 1969: 17, 48. N.W.Australia
- watsoni* Lieftinck, 1982: 11, 287. Australasia
- 1.4.1.3.2. *Austrocoenagrion* Kennedy, 1920
- lyelli* Tillyard, 1913: 37, 449, (*Coenagrion*). S. & E.Australia
- 1.4.1.3.3. *Cercion* Navas, 1907
- admirationis* Navas, 1933: 9, 6.
(syn. *sexlineatum*)
- barbatum* Needham, 1930: 11, 270.
(syn. *v-nigrum*)
- calamorum* Ris, 1916: 5, 32. Japan
- hieroglyphicum* Brauer, 1865: 15, 510. E.Asia
- * *linden* Selys, 1848: 107, (*Agrion*) Europe
(has ssp. *zerneyi*; has form *nigriceps*)
- luzonicum* Asahina, 1968: 15, 368. Mindanao
- malayanum* Selys, 1870: 41, 536. S.E.Asia
- nigriceps* Navas, 1920: 8, 10. Spain
(form of *linden*)
- plagiosum* Needham, 1930: 11, 268. E.Asia
- quadriferum* Selys, 1883: 27, 136.
(syn. *sieboldi*)
- sauteri* Ris, 1916: 5, 34.
(syn. *sieboldi*)
- sexlineatum* Selys, 1883: 27, 135. Japan
(= *admirationis*; = *trilineatum*)
- sieboldi* Selys, 1876: 41, 1281. Japan
(= *quadriferum*; = *sauteri*)
- trilineatum* Navas, 1933: 9, 5.
(syn. *sexlineatum*)
- v-nigrum* Needham, 1930: 11, 269. China
(= *barbatum*)
- zerneyi* Schmidt, 1938: 147, 143. Palestine
(ssp. of *linden*)
- 1.4.1.3.4. *Chromagrion* Needham, 1903
- conditum* Selys, 1876: 41, 1305, (*Erythromma*). N.America
- 1.4.1.3.5. *Coenagrion* Kirby, 1890
- angulatum* Walker, 1912: 44, 256. N.America
(= *luniferum*)
- annulare* Stephens, 1836: 6, 74.
(syn. *puella*)
- aquisextanum* Rambur, 1842: 267.
(syn. *coerulescens*)

- 1.4.1.3.5. *armatum* Charpentier, 1840: 164. N.Europe
- bilineatum* Schirmer, 1913: 79, 30.
(form of *pulchellum*)
- brisbanense* Tillyard, 1917: 42, 477. Queensland
- caesarum* Schmidt, 1959: 35, 13. S.Europe
(ssp. of *coerulescens*)
- castellani* Robert, 1948: 17, 63. Italy
- chusanicum* Navas, 1933: 9, 4. China
- coerulescens* Fonscolombe, 1838: 7, 569. S.Europe
(= *aquisextanum*; has ssp. *caesarum* & *theryi*)
- concinnum* Johansson, 1859: 107. N.Europe
(= *Johannsoni*)
- convalescens* Bartenev, 1914: 41, 29. Manchuria
- distinctum* Rambur, 1842: 269.
(syn. *scitulum*)
- dorothea* Fraser, 1924: 19, 462. China
- dyeri* Fraser, 1920: 16, 451. India/E.Indies
(= *gravelyi*; = *violacea*)
- ecornutum* Selys, 1872: 15, 44. N. & E.Asia
- exornatum* Selys, 1872: 2, 44. Siberia
- fonscolombii* Rambur, 1842: 266.
(syn. *mercuriale*)
- freyi* Bilek, 1954: 3, 98. Europe
(ssp. of *hylas*)
- furcatum* Charpentier, 1825: 18.
(syn. *puella*)
- glaciale* Selys, 1872: 15, 41. Siberia
(has ssp. *orientale*)
- gravelyi* Fraser, 1920: 16, 451.
(syn. *dyeri*)
- hastulatum* Charpentier, 1825: 20. Europe
- hermeticum* Selys, 1872: 15, 45. Algeria
- holdereri* Foerster, 1900: 19, 264. C.Asia
- hylas* Trybom, 1889: 15, 12. Eurasia
(has ssp. *freyi* & *ussuriense*)
- impar* Needham, 1930: 11, 271. China
- interrogatum* Selys, 1876: 41, 1254. N.America
- interruptum* Charpentier, 1825: 16.
(syn. *pulchellum*)
- irina* Brulle, 1832: 2, 105.
(syn. *puella*)
- johannsoni* Wallengren, 1894: 15, 267.
(syn. *concinnum*)

- 1.4.1.3.5. *kagiense* Matsumura, 1911: 18, 147. Formosa
 kashmirum Chowdhary, 1975: 3, 60. Kashmir
 kocheri Schmidt, 1960: 124. N.Africa
 (ssp. of *puella*)
 lanceolatum Selys, 1872: 25, 43. Eurasia
 lehmanni Kolenati, 1856: 29, 500. Russia
 luniferum Muttkowski, 1913: 10, 164.
 (syn. *angulatum*)
 lunulatum Charpentier, 1841: 41, 162.
 (syn. *vernale*)
 melanoproctum Selys, 1876: 41, 1287. Polynesia
 mercuriale Charpentier, 1840: 159. Europe
 (= *fonscolombii*)
 minutissimum Selys, 1876: 41, 1250. Amazon
 orientale Belyshev, 1973: 2, 101. Russia
 (ssp. of *glaciale*)
 ornatum Selys, 1850: 203. C.Europe
 pendulum Needham & Gyger, 1939: 70, 287. Luzon
 ponticum Bartenev, 1929: 85, 64. Caucasus
 * *puella* Linnaeus, 1758: Ed.10, 546, (*Libellula*) Europe-
 (= *annulare*; = *furcatum*; = *irina*;
 has ssp. *kocheri*) W.Asia
 pulchellum Vanderlinden, 1823: 4, 103. Europe-W.Asia
 (= *interruptum*; has form *bilineatum*)
 resolutum Selys, 1876: 41, 1263. N.America
 (= *walkeri*)
 scitulum Rambur, 1842: 266. S.Europe
 (= *distinctum*)
 simillimum Bartenev, 1911: 16, 444. Russia
 terue Asahina, 1949: 17, 28. Japan
 theryi Schmidt, 1959: 35, 13. N.Africa
 (ssp. of *coerulescens*)
 ussuriense Belyshev, 1956: 3, 196. Russia
 (ssp. of *hylas*)
 vernale Hagen, 1839: 21, 56. Eurasia
 (= *lunulatum*)
 violacea Fraser, 1924: 8, 84.
 (syn. *dyeri*)
 walkeri Muttkowski, 1911, 9, 166.
 (syn. *resolutum*)
- 1.4.1.3.6. *Erythromma* Charpentier, 1840
 (incl. *Psuederythromma* Kennedy, 1920)
 analis Vanderlinden, 1825: 40.
 (syn. *najas*)

- 1.4.1.3.6. *baicalense* Belyshev, 1964: 62, 7. Russia/Japan
(form of *najas*)
bipunctatum Schirmer, 1913: 79, 30.
(form of *najas*)
bremi Rambur, 1842: 265.
(syn. *viridulum*)
humerale Selys, 1887: 31, 61. Siberia
immaculatum Schirmer, 1913: 30
(form of *najas*)
latistrigis le Roi, 1914: 79, 108. Slovenia
(form of *viridulum*)
* *najas* Hansemann, 1823: 2, 158, (*Agrion*). Europe
(= *analis*; has forms *baicalense*;
bipunctatum; *immaculatum* & *puellare*)
orientale Schmidt, 1960: 27, 23. Middle-East
(ssp. of *viridulum*)
puellare Schirmer, 1913: 79, 30.
(form of *najas*)
viridulum Charpentier, 1840: 149. Europe-W.Asia
(= *bremi*; has ssp. *orientale*;
has form *latistrigis*)
- 1.4.1.3.7. *Himalagrion* Fraser, 1919
* *exclamationis* Fraser, 1919: 16, 453. India
pithoragarhicum Sahnii, 1964: 13, 79. India
- 1.4.1.3.8. *Nehalennia* Selys, 1850
(incl. *Argiallagma* Calvert, 1907)
adunca Hagen, 1861: 79.
(syn. *minuta*)
carlotta Butler, 1914: 46, 347.
(syn. *irene*)
gracilis Morse, 1895: 7, 274. N.America
integricollis Calvert, 1913: 24, 312. N.America
irene Hagen, 1861: 74. N.America
(= *carlotta*)
minuta Selys, 1857: 464, (*Trichocnemis*; *Argiallagma*) C.America
(= *adunca*; has ssp. *selysi*)
pallidula Calvert, 1913: 24, 373. N.America
selysi Kirby, 1890: 147. Brasil
(ssp. of *minuta*)
sophia Selys, 1876: 41, 1241.
(syn. *speciosa*)
* *speciosa* Charpentier, 1840: 151, (*Agrion*) Palaeartic
(= *sophia* Selys, 1840)
- 1.4.1.3.9. *Neocerythromma* Kennedy, 1920
* *cultellatum* Selys, 1876: 41, 524, (*Enallagma*) Cuba
gladiolatum Williamson, 1930: 216, 7. Mexico

1.4.1.3.10. *Pyrrhosoma* Charpentier, 1840amazon Hansemann, 1823: 1, 152.

(syn. nymphula)

elisabethae Schmidt, 1948: 13, 72.

(ssp. of nymphula)

Greece

fulvipes Stephens, 1836: 6, 75.

(syn. nymphula)

interposita Varga, 1968: 6, 202.

(ssp. of nymphula)

Hungary

minium Harris, 1782: 29, 1.

(syn. nymphula)

- * nymphula Sulzer, 1776: 24, 5, (*Libellula*). Europe-W. Asia
 (= amazon; = fulvipes; = minium; = sanguineum;
 has ssp. elisabethae & interposita)

sanguineum Vanderlinden, 1825: 41.

(syn. nymphula)

tinctipennis McLachlan, 1894: 13, 436.

China

- 1.4.1.4. *Ischnurinae*. Wings petiolate to level of Ac. Anal vein separate
 from wing border prox. to Ac; arc at level of distal antenodal. Stigma
 differs in fore and hind wings of male, latter being like in female.
 Male seg. 10 with raised bifid tubercle; female usually with vulvar spine.

1.4.1.4.1. *Acanthagrion* Selys, 1876 (red relatives, *Oxyagrion*)
 (incl. *Myagrion* Foerster, 1906)ablutum Calvert, 1909: 6, 161.

Brasil

abunae Leonard, 1977: 153.

Brasil

adustum Williamson, 1916: 27, 320.

Guiana

amazonicum Sjoestedt, 1918: 15, 16.

Brasil

apicale Selys, 1876: 41, 306.

Brasil

(= descendens)

ascendens Calvert, 1909: 6, 165.

S. America

chacoense Calvert, 1909: 6, 172.

Brasil

chararum Calvert, 1909: 6, 170.

Brasil

cuneatum Selys, 1876: 41, 309.

(syn. gracile)

cuyabae Calvert, 1909: 6, 166.

(syn. lancea)

deceptum Leonard, 1977: 153.

(syn. peruanum)

descendens Fraser, 1946: 96, 38.

(syn. apicale)

egleri Santos, 1961: 38, 2.

Brasil

fimense Calvert, 1909: 168.

(syn. lancea)

floridense Fraser, 1946: 96, 37.

Colombia

1.4.1.4.1	freirense Calvert, 1909: 168. (syn. lancea)	
*	gracile Rambur 1842: 260, (Agrion). (= cuneatum; maculae; minarum)	S.America
	hermosae Leonard, 1977: 153.	Peru
	hildegarda Gloger, 1967: <u>21</u> , 54.	Argentina
	indefensum Williamson, 1916: <u>27</u> , 319.	Guiana
	inexpectum Leonard, 1977: 153.	Panama
	jessei Leonard, 1877: 153.	Brasil
	kennedyi Williamson, 1916: <u>27</u> , 134.	Trinidad
	lanceum Selys, 1876: <u>41</u> , 310. (= cuyabae; fimense; freirense)	Argentina
	latapistylum Calvert, 1902: <u>7</u> , 26.	Paraguay
	leonardi Jurzitza, 1980: <u>9</u> , 181.	Argentina
	leonora Gloger, 1967: <u>21</u> , 52. (syn. obsoletum)	
	longispinosum Leonard, 1977: 153.	Brasil
	luna Ris, 1916: <u>9</u> , 122. (syn. obsoletum)	
	luteum Racenis, 1958: <u>2</u> , 184.	Venezuela
	maculae Sjoestedt, 1918: <u>15</u> , 19. (syn. gracile)	
	minarum Selys, 1876: <u>41</u> , 309. (syn. gracile)	
	minutum Leonard, 1977: 153.	Venezuela
	obsoletum Foerster, 1914: <u>80</u> , 68. (= leonora; luna)	Peru
	peruanum Schmidt, 1942: <u>2</u> , 326. (= deceptum)	Peru
	peruvianum Leonard, 1977: 153.	Peru
	phallicornis Leonard, 1977: 153.	Brasil
	quadratum Selys, 1876: 309.	Mexico
	risi Leonard, 1977: 153 (syn. vidua)	
	rubrifrons Leonard, 1977: 153.	Brasil
	taxaense Santos, 1965: <u>9</u> , 60.	Argentina
	temporale Selys, 1876: <u>41</u> , 312.	Minas Gerais
	trilobatum Leonard, 1977: 153.	Colombia
	truncatum Selys, 1876: <u>41</u> , 311.	Brasil
	viduum Selys, 1876: <u>41</u> , 310. (= risi)	Venezuela
	viridescens Leonard, 1977: 153.	Brasil
	williamsoni Leonard, 1977: 153.	Colombia

- 1.4.1.4.1 *yungarum* Ris, 1916: 82, 124. Peru
- 1.4.1.4.2. *Acanthallagma* Williamson & Williamson, 1924
 caeruleum Williamson & Williamsin, 1924: 154, 13. Brasil
 luteum Williamson & Williamson, 1924: 154, 16. Brasil
 * *strohmi* Williamson & Williamson, 1924: 154, 9. Brasil
- 1.4.1.4.3. *Aciagrion* Selys, 1892
 (incl. *Ischnuragrion* Longfield, 1947
 & *Mombagrion* Sjoestedt, 1909)
 abercornense Pinhey, 1958: 22, 103.
 (syn. of *steeleae*)
 aciculare Lieftinck, 1929: 72, 117. E.Indies
 africanum Martin, 1908: 43, 659. C. & W.Africa
 (= *pseuderythroma*)
 approximans Selys, 1876: 217. India
 assamicum Fraser, 1919: 26, 877.
 (syn. *tillyardi*)
 attenuatum Fraser, 1928: 76, 128. E.Africa
 (ssp. of *gracile*)
 azureum Fraser, 1922: 7, 51. Assam
 balachowskyi Legrand, 1982: 4, 161. Gabon
 borneense Ris, 1911: 55, 234. E.Indies
 brosetti Legrand, 1982: 4, 163. Gabon
 congoense Sjoestedt, 1917: 14, 15. C.Africa
 fasciculare Lieftinck, 1934: 3, 15. E.Indies
 feuerborni Schmidt, 1934: 13, 344. E.Indies
 fragile Tillyard, 1906: 31, 186. Queensland
 gracile Sjoestedt, 1909: 14, 44. E.Africa
 (has ssp. *attenuatum*)
 hamoni Fraser, 1955: 22, 240. W.Africa
 heterostictum Fraser, 1955: 42, 19. C.Africa
 (has ssp. *karamoja*)
 * *hisopa* Selys, 1876: 42, 509. Malaya
 (has form *krishna*)
 karamoja Pinhey, 1972: 42-43. Uganda
 (ssp. of *heterosticta*)
 krishna Fraser, 1921: 27, 543. India
 (form of *hisopa*)
 macrootithenae Pinhey, 1972: 5, 37. Zambia
 migratum Selys, 1876: 42, 507. Japan
 nodosum Pinhey, 1964: 63, 105. Africa
 occidentale Laidlaw, 1919: 16, 186. Indochina
 (= *paludense*)
 olympicum Laidlaw, 1919: 16, 184. Himalayas

- 1.4.1.4.3. *pallidum* Selys, 1892: 10, 512. Burma
paludense Fraser, 1922: 28, 698.
 (syn. *occidentale*)
pseuderythromma Schmidt, 1936: 67.
 (syn. *africanum*)
rarum Longfield, 1945: 16, 7. S.W.Africa
steeleae Kimmins, 1955: 88, 109. Rhodesia
 (= *abercornense*)
tillyardi Laidlaw, 1919: 16, 189. S.E.Asia
 (= *assamicum*)
tonsillare Lieftinck, 1937: 1, 331. New Guinea
zambiense Pinhey, 1972: 5, 23. Zambia
- 1.4.1.4.4. *Amorphostigma* Fraser, 1924
 * *armstrongi* Fraser, 1925: 432. Samoa
auricolor Fraser, 1927: 7, 30. Samoa
- 1.4.1.4.5. *Amphiagrion* Selys, 1876
abbreviatum Selys, 1876: 41, 1299. N.America
discolor Burmeister, 1839: 2, 819.
 (syn. *saucium*)
 * *saucium* Burmeister, 1839: 819, (*Agrion*). C. & N.America
 (= *discolor*)
- 1.4.1.4.6. *Amphialagma* Kennedy, 1920
immsi Laidlaw, 1913: 46, 236.
 (syn. *parvum*)
parvum Selys, 1876: 41, 537. India
 (= *immsi*)
- 1.4.1.4.7. *Andinagrion* Bulla, 1973
 * *peterseni* Ris, 1908: 519, (*Oxyagrion*). Argentina
saliceti Ris, 1904: 12, 9. Argentina
- 1.4.1.4.8. *Anomalagrion* Selys, 1857
anomalum Rambur, 1842: 281.
 (syn. *hastatum*)
 * *hastatum* Say, 1839: 8, 38, (*Agrion*). N. & S.America
 (= *anomalum*; = *venerinotatum*)
venerinotatum Haldemann, 1844: 2, 55.
 (syn. *hastatum*)
- 1.4.1.4.-. *Anomalura* Kennedy, 1920
 (subg. of *Ischnura*)
- 1.4.1.4.9. *Archaeallagma* Kennedy, 1920
ovigerum Calvert, 1909: 6, 225, (*Enallagma*). Colombia
- 1.4.1.4.10. *Argentagrion* Fraser, 1948
 (= *Homeoura* Kennedy, 1920)
 * *ambiguum* Ris, 1904: 7, 13, (*Acanthagrion*). Argentina
cheliferum Selys, 1876: 41, 319. Brasil

- 1.4.1.4.10. *lindneri* Ris, 1928: 7, 41. Argentina
nepos Selys, 1876: 41, 1249. Amazon
silviae Bulla, 1971: 33, 51. Paraguay
- 1.4.1.4.11. *Austroallagma* Lieftinck, 1953
sagittiferum Lieftinck, 1949: 5, 200; (*Aciagrion*).Tanimber Is.
- 1.4.1.4.12. *Boninagrion* Asahina, 1952
ezoin Asahina, 1952: 23, 52. Bonin Is.
- 1.4.1.4.13. *Calvertagrion* St.Quentin, 1960
dicellulare St.Quentin, 1960: 2, 54. Brasil
- 1.4.1.4.-. *Celaenura* Kennedy, 1917
(subg. of *Ischnura*)
- 1.4.1.4.-. *Ceratura* Selys, 1876
(subg. of *Ischnura*)
- 1.4.1.4.14. *Cyanallagma* Kennedy, 1920
acutum Ris, 1916: 82, 120. Bolivia
bonariense Ris, 1913: 22, 67. Argentina
* *interruptum* Selys, 1896: 41, 314, (*Acanthagrion*). Brasil
laterale Selys, 1876: 41, 317. Colombia
nigrinuchale Selys, 1876: 41, 316. Brasil
trimaculatum Selys, 1876: 41, 313. Brasil
- 1.4.1.4.15. *Enacantha* Donnelly & Alayo, 1966
caribbea Donnelly & Alayo, 1966: 49, 110. Guatemala
- 1.4.1.4.16. *Enallagma* Charpentier, 1840
(incl. *Africallagma* Kennedy, 1920
[= *Libyagrion* Fraser, 1928]; *Ischnallagma*,
Proischnura & *Teleallagma* Kennedy, 1920;
Thermagrion Foerster, 1906)
abessinicum Sjoestedt, 1917: 11, 17.
(syn. *subfurcatum*)
ambiguum Navas, 1936: 3, 47. China
angolicum Pinhey, 1966: 2, 9. W.Africa
(= *moremi*)
anna Williamson, 1900: 11, 455. N.America
(= *culicinatorum*)
annexum Hagen, 1861: 81.
(syn. *cyathigerum*)
antennatum Say, 1839: 39. N.America
(= *fischeri*)
aspersum Hagen, 1861: 97. N.America
basidens Calvert, 1901: 114. N.America
bilobatum Grunberg, 1902: 32.
(syn. *subfurcatum*)
belyshevi Haritonov, 1975: 9, 17. Russia

- 1.4.1.4.16. boreale Selys, 1875: 9, 242.
(syn. deserti)
- brunneum Evans, 1845: 15.
(syn. cyathigerum)
- buchholzi Pinhey, 1969: 33, 218. Cameroons
- calverti Morse, 1895: 7, 208.
(syn. deserti)
- camerunense Karsch, 1899: 25, 168. Africa
- cardenium Selys, 1876: 41, 530. W.Indies
- carunculatum Morse, 1895: 7, 208. N.America
- charpentieri Selys, 1840: 214.
(syn. cyathigerum)
- circulatum Selys, 1883: 27, 133. Japan
(ssp. of deserti = yezoense)
- civile Hagen, 1861: 88. N.America
(= simile)
- clausum Morse, 1895: 7, 209. N.America
- coecum Hagen, 1861: 84. W.Indies
(= kruglii; has ssp. novaehispaniae)
- concisum Williamson, 1922: 33, 117. N.America
- continentale Belyshev, 1956: 3, 198. E.Asia
(ssp. of deserti)
- culicinatorum Byers, 1927: 53, 249.
(syn. anna)
- cuneistigma Pinhey, 1969: 66, 4. Rhodesia
- * cyathigerum Charpentier, 1840: 163, (Agrion) N.Temperate
(= annexum; = brunneum; = charpentieri;
= hastulatum; = pulchrum; = robustum;
has ssp. mongolicum & possompsei; has forms
nigriprothorax & rotundatum)
- daeckii Calvert, 1903: 14, 36. N.America
- davisi Westfall, 1943: 54, 103. N.America
- decoloratum Fraser, 1928: 6, 126.
(syn. subtile)
- dentiferum Walsh, 1863: 2, 236.
(syn. signatum Hagen)
- deserti Selys, 1871: 14, 19. N.Temperate
(= boreale; = calverti; has ssp. continentale,
and yezoense [= circulatum])
- divagans Selys, 1876: 41, 521. N.America
- doubledayi Selys, 1850: 209. N.America
- dubium Root, 1924: 35, 321. N.America
- durum Hagen, 1861: 87. N.America
- ebrium Hagen, 1861: 1, 89. N.America
- eiseni Calvert, 1895: 4, 468. Mexico

- 1.4.1.4.16. *elongatum* Martin, 1906: 513. E.Africa
 (= *fractum*; = *pseudoelongatum*)
- exsulans* Hagen, 1861: 82. N.America
- fischeri* Kellicott, 1895: 17, 205.
 (syn. *antennatum*)
- fractum* Ris, 1921: 18, 329.
 (syn. *elongatum*)
- fugax* Pinhey, 1962: 26B, 899. Rhodesia
 (form of *glaucum*)
- gabonense* Selys, 1876: 116.
 (syn. *glaucum*)
- geminatum* Kellicott, 1895: 6, 239. N.America
 (= *piscinarium*)
- glaucum* Burmeister, 1839: 11, 821. Africa
 (= *gabonense*; = *oblitteratum*; = *schultzei*;
 = *sikorae*; has form *fugax*)
- granti* McLachlan, 1904: 402. Sokotra Is.
- hageni* Walsh, 1862: 2, 234. N.America
- hastulatum* Stephens, 1836: 6, 74.
 (syn. *cyathigerum*)
- insulae* Fraser, 1920: 19, 32. India
- kauderni* Sjoestedt, 1917: 13, 4. Madagascar
 (ssp. of *nigridorsum*)
- krugii* Kolbe, 1888: 54, 171.
 (syn. *coecum*)
- laterale* Morse, 1895: 7, 274. N.America
- laurenti* Calvert, 1919: 45, 379.
 (syn. *vesperum*)
- longfieldae* Fraser, 1947: 16, 146. E.Africa
- maldiviense* Laidlaw, 1902: 1, 221. Maldive Is.
- melanotum* Selys, 1876: 41, 538. China
- minisculum* Morse, 1895: 7, 207. N.America
- minutum* Ris, 1931: 38, 102. W.Africa
 (syn. *moremi*)
- mongolicum* Benedek, 1968: 11, 183. Mongolia
 (ssp. of *cyathigerum*)
- moremi* Balinsky, 1967: 29, 15.
 (= *minutum*; = *angolicum*)
- nigridorsum* Selys, 1876: 41, 531. Zanzibar
- nigriprothorax* le Roi, 1914: 79, 106. Germany
 (form of *cyathigerum*)
- nigrolineatum* Haritonov, 1975: 9, 16. Russia
- novaehispaniae* Calvert, 1907: 381. C. & S.America
 (ssp. of *coecum*; = *ypsilon*)

- 1.4.1.4.16. *obliteratum* Selys, 1876: 41, 533.
(syn. *glaucum*)
- pallidum* Root, 1923: 34, 202. N.America
- pictum* Morse, 1895: 7, 307. N.America
- piscinarium* Williamson, 1899: 24, 273.
(syn. *geminatum*)
- pollutum* Hagen, 1861: 83. N.America
- polychromaticum* Barnard, 1937: 32, 220. S.Africa
- possompsei* Heymer, 1968: 19, 451. Pyrenees
(ssp. of *cyathigerum*)
- praevarum* Hagen, 1861: 88. N.America
- pseudelongatum* Longfield, 1936: 85, 475.
(syn. *elongatum*)
- pulchrum* Hagen, 1840: 80.
(syn. *cyathigerum*)
- recurvatum* Davis, 1913: 21, 15. N.America
- risi* Schmidt, 1961: 19, 409. Afghanistan
- robustum* Selys, 1875: 11, 243.
(syn. *cyathigerum*)
- rotundatum* Bartenev, 1929: 85, 63. Caucasus
(form of *cyathigerum*)
- rotundipennis* Ris, 1921: 18, 321. S.Africa
- rua* Donnelly, 1968: 51, 101. C.America
- rubristigma* Schmidt, 1951: 6, 209. Madagascar
- sapphirinum* Pinhey, 1950: 21, 267. S.Africa
- schoanum* Foerster, 1906: 59, 332.
(syn. *subfurcatum*)
- schultzei* Ris, 1908: 13, 314.
(syn. *glaucum*)
- semicirculare* Selys, 1876: 41, 517. Mexico
- signatum* Hagen, 1861: 84. USA
(= *dentiferum* Walsh)
- sikorae* Foerster, 1906: 71, 59. .
(syn. *glaucum*)
- simile* Selys, 1876: 41, 515.
(syn. *civile*)
- sinuatum* Ris, 1921: 18, 330. S.Africa
- somalicum* Longfield, 1931: 64, 277. Somaliland
- strouhali* St.Quentin, 1962: 65, 241. Manchuria
- subfurcatum* Selys, 1876: 41, 534. Abyssinia
(= *abessinicum*; = *bilobatum*; = *schoanum*;
= *urniferum*)
- subtile* Ris, 1921: 18, 332. C.Africa
(= *decoloratum*)

- 1.4.1.4.16. *sudanicum* Fraser, 1951. (descr.?)
(syn. *vansomereni*)
sulcatum Williamson, 1922: 33, 114. N.America
traviatum Selys, 1876: 41, 519. N.America
(has ssp. *westfalli*)
truncatum Gundlach, 1888: 2, 226. Cuba
urniferum Manti, 1906: 513.
(syn. *subfurcatum*)
vaginale Sjoestedt, 1917: 14, 19. C.Africa
(has ssp. *longfieldae*)
vansomereni Pinhey, 1955: 4, 26. E.Africa
(= *sudanicum*)
vernale Gloyd, 1943: 479, 1. N.America
vesperum Calvert, 1919: 45, 380. N.America
(= *laurenti*)
webbianum Foerster, 1906: 59, 336. N.E.Africa
weewa Byers, 1927: 20, 385. N.America
westfalli Donnelly, 1964: 66, 103. N.America
(ssp. of *traviatum*)
yezoense Asahina, 1949: 17, 7. Japan
(ssp. of *deserti*)
ypsilon Needham, 1942: 1, 62.
(syn. *coecum novaehispaniae*)
- 1.4.1.4.17. *Helveciagrion* Machado, 1980
chirihuanum Calvert, 1909: 6, 173. Brasil
simulacrum Calvert, 1909: 6, 176. Brasil
* *vulcanoae* Machado, 1980: 1, 59. Brasil
- 1.4.1.4.18. *Hesperagrion* Calvert, 1920
flavescens Selys, 1876: 41, 289.
(syn. *heterodoxum*)
heterodoxum Selys, 1868: 9, 69, (*Aggrion*) N.America
(= *flavescens*)
- 1.4.1.4.19. *Ischnura* Charpentier, 1840
(= *Micronympha* Kirby, 1890; incl. *Bedfordia* Mumford, 1942;
has subg. *Anomalura* Kennedy, 1920; *Celaenura* Kennedy,
1917; *Ceratura* Selys, 1876; *Ischnuridia* Donnelly, 1965;
Nanosura Kennedy, 1920)
abyssinica Martin, 1906: 512. E.Africa
acicularis Donnelly, 1965: 48, 57. (sgen. *Ischnuridia*)
Guatemala
acuticauda Lieftinck, 1959: 10, 222. New Guinea
aglae Fonscolombe, 1838: 7, 567.
(syn. *elegans*)
albistigma Fraser, 1927: 7, 27. Samoa
algorica Selys, 1849: 3, 135.
(syn. *graelisii*)

- 1.4.1.4.19. *algira* Selys, 1850: 186.
(syn. *graelisii*)
- amelia* Needham, 1930: 11, 256.
(syn. *aurora*)
- annandalei* Laidlaw, 1919: 16, 175. (*Shan States*)
(syn. *mildredae*)
- aralensis* Charitonov, 1979: 61, 5. Asia
- ariel*, Lieftinck, 1949: 5, 223. New Guinea
- asiatica* Brauer, 1865: 15, 509. E.Asia
(= *formosana*; = *lobata*; = *orientalis*)
- aurantiaca* Rostock, 1885: 17, 249.
(form of *elegans*)
- aurantiaca* Selys, 1837: 12.
(form of *pumilio*)
- aurora* Brauer, 1865: 15, 509. (sgen. *Nanosura*) E.Old World
(= *amelia*; = *delicata*; has ssp. *viduata*)
- barberi* Currie, 1903: 5, 302.
(= *utahensis*)
- bhintalensis* Sahnii, 1965: 27, 207. N.India
- bizonata* Selys, 1876: 41, 270. Brasil
- blumi* Lohmann, 1979: 8, 221. New Guinea
- bukharensis* Bartenev, 1913: 13, 186. Asia
- buxtoni* Fraser, 1927: 7, 23. Samoa
- capreola* Hagen, 1861: 78, (sgen. *Ceratura*) Puerto Rico
- cardinalis* Kimmins, 1929: 62, 224. Society Is.
- carpenteri* Fraser, 1946: 15, 42. (*Annam*)
(syn. *mildredae*)
- cervula* Selys, 1876: 41, 262. USA
- cheesmani* Fraser, 1942: 9, 646.
(syn. *taitensis*)
- chromostigma* Fraser, 1927: 7, 28. Samoa
- cognata* Selys, 1840: 214.
(syn. *pumilio*)
- credula* Hagen, 1861: 80.
(syn. *ramburi*)
- damula* Calvert, 1901: 126. USA
- defixa* Hagen, 1861: 80.
(syn. *perparva*)
- delicata* Hagen, 1876: 41, 281.
(syn. *aurora*)
- demorsa* Hagen, 1861: 81. Mexico
- denticollis* Burmeister, 1839: 11, 819, (sgen. *Celaenura*).
(= *exstriata*) C. & N.America

- 1.4.1.4.19 distigma Brauer, 1869: 19, 14.
(syn. heterosticta)
- dorothea Fraser, 1924: 428, 433. India
- eberni Schmidt, 1938: 147, 142. Crete
(ssp. of elegans)
- elegans Vanderlinden, 1823: 4, 104. Europe
(= aglae; = excelsa; = exigua; = ezonata;
= hastulata; = magna; = pupilla; = rubens;
= tuberculata Charp.; has ssp. eberni;
marquardtii; mortoni & pontica; has many female
forms, aurantiaca; infuscans; rufescens etc.) to E.Asia
- erratica Calvert, 1895: 4, 491. USA
- evansi Morton, 1919: 55, 145. Arabia
- excelsa Rostock, 1885: 17, 247.
(syn. elegans)
- exigua Rostock, 1885: 17, 248.
(syn. elegans)
- exstriata Calvert, 1895: 4, 493.
(syn. denticollis)
- ezonata Stephens, 1836: 6, 72.
(syn. elegans)
- filosa Schmidt, 1949: 3, 9. Madagascar
- flavistyla Kolbe, 1884: 28, 134.
(syn. maroccana)
- fluviatilis Selys, 1876: 41, 269. S.America
- forcipata Morton, 1907: 19,
(= gangetica; = musa; = needhami) Asia
- formosana Chujo, 1931: 21, 28.
(syn. asiatica)
- fountainei Morton, 1905: 147. S.W.Asia
- gangetica Laidlaw, 1913: 235.
(syn. forcipata)
- gemina Kennedy, 1917: 52, 483, (sgen. Celaenura) N.America
- genei Rambur, 1842: 276. S.Europe
- graelisii Rambur, 1842: 275. S.W.Europe
(= algericum; = algrum; has form oculata)
- haemastigma Fraser, 1927: 7, 26. Samoa
- hale-carpenterii Mumford, 1942: 9, 828. Marquesas Is.
(= Coenagrion interruptum Needham, 1932)
- hastulata Burmeister, 1839: 21, 820.
(syn. elegans)
- heterosticta Burmeister, 1839: 2, 820. Australasia
(= distigma; = torresiana; has ssp. tasmanica)
- hilli Pinhey, 1946: 26, 329. Ethiopia
- immaculata Zacwilichowski, 1928: 62, 69. Poland
(form of pumilio)

- 1.4.1.4.19. *inarmata* Calvert, 1898: 147. Kashmir
- indefinata* Fraser, 1947: 427. Argentina
- indivisa* Ris, 1916: 134, 186, (sgen. *Ceratura*). Colombia
- iners* Hagen, 1861: 75.
(syn. *ramburi*)
- infuscens* Campion, 1905: 299.
(form of *elegans*)
- intermedia* Dumont, 1974: 3, 154. Turkey
- isoetes* Lieftinck, 1949: 5, 225. New Guinea
- kelllicotti* Williamson, 1893: 209. N.America
- lamellata* Kolbe, 1884: 28, 155. Algeria
- lobata* Needham, 1930: 11, 280.
(syn. *asiatica*)
- magna* Rostock, 1885: 17, 247.
(syn. *elegans*)
- maroccana* Kolbe, 1884: 28, 273. Morocco
(= *flavistyla*)
- marquardti* Schmidt, 1938: 147, 142. Turkestan
(ssp. of *elegans*)
- mildredae* Fraser, 1927: 29, 87. E. Asia ¹⁸⁴
(ssp. of *rufostigma*; [= *annandalei*;
= *carpentieri*]) _{C May}
- mortoni* Schmidt, 1938: 147, 142. Spain
(ssp. of *elegans*)
- musa* Bartenef, 1913: 13, 187.
(syn. *forcipata*)
- needhami* Navas, 1933: 9, 8.
(syn. *forcipata*)
- nigriceps* Fraser, 1924: 85. India
- oculata* Navas, 1918: 14, 341.
(form of *graellsii*)
- ordosi* Bartenef, 1912: 16, 442. Asia
- orientalis* Selys, 1876: 41, 280.
(syn. *asiatica*)
- ornata* Zacwilichowski, 1928: 62, 69. Poland
(form of *pumilio*)
- patricia* Fraser, 1924: 428. India
- perparva* Selys, 1876: 41, 263. USA
(= *defixa*)
- pontica* Schmidt, 1939: 147, 142. Austria
(ssp. of *elegans*)
- posita* Hagen, 1861: 74, (sgen. *Ischnuridia*). N.America
- prognatha* Hagen, 1861: 83, (sgen. *Anomalura*). N.America

- 1.4.1.4.19. *pruinescens* Tillyard, 1906: 31, 191. Queensland
(syn.? *heterosticta*)
- * *pumilio* Charpentier, 1825: 22, (Agrion). Eurasia
(= *cognata*; = *rubella*; = *xanthoptera*;
has forms *aurantiaca*; *immaculata*; *ornata*;
punctata; *stephanella* & *striata*)
- punctata* Zacwilichowski, 1928: 62, 68. Poland
(form of *pumilio*)
- pupilla* Hansemann, 1823: 2, 156.
(syn. *elegans*)
- ramburi* Selys, 1850: 186. N.America
(= *credula*; = *iners*; = *tuberculata* Selys)
- rhodosoma* Lieftinck, 1959: 10, 220. New Guinea
- rubella* Curtis, 1839: 16, 732.
(syn. *pumilio*)
- rubens* Evans, 1845: 17.
(syn. *elegans*)
- rubilio* Selys, 1876: 41, 283. India
- rufescens* Stephens, 1836: 6, 74.
(form of *elegans*)
- rufostigma* Selys, 1876: 41, 283. India
(has ssp. *mildredae*)
- rufovittata* Blanchard, 1837: 217. Bolivia
- saharensis* Aguesse, 1958: 25, 149. N.Africa
- sanguinostigma* Fraser, 1953: 22, 123. Samoa
- senegalensis* Rambur, 1842: 276. Asia, Africa
- sobrina* Schmidt, 1942: 2, 237. Peru
- spinicauda* Brauer, 1865: 15, 511. Polynesia
- stephanella* Rostock, 1885: 17, 252.
(form of *pumilio*)
- striata* Zacwilichowski, 1928: 62, 69. Poland
(form of *pumilio*)
- stueberi* Lieftinck, 1932: 15, 111. New Guinea
- taitensis* Selys, 1876: 41, 279. Tahiti
(= *cheesmani*)
- tasmanica* Tillyard, 1913: 37, 452. Tasmania
(ssp. of *heterosticta*)
- thelmae* Lieftinck, 1966: 109, 92. Rapa Is.
- torresiana* Tillyard, 1913: 37, 452.
(syn. *heterosticta*)
- tuberculata* Charpentier, 1825: 21.
(syn. *elegans*)
- tuberculata* Selys, 1857: 467.
(syn. *ramburi*)

- 1.4.1.4.19. *ultima* Ris, 1908: 518. Argentina
utahensis Muttkowski, 1910: 8, 172.
 (syn. *barberi*)
verticalis Say, 1839: 8, 37. N.America
viduata Lieftinck, 1949: 5, 222, (sgen. *Nanosura*). New Guinea
 (ssp. of *aurora*)
vinsoni Fraser, 1949: 100, 140. Mauritius
xanthoptera Stephens, 1836: 6, 72.
 (syn. *pumilio*)
- 1.4.1.4.-. *Ischnuridia* Donnelly, 1965
 (subg. of *Ischnura*)
- 1.4.1.4.20. *Mesamphiagrion* Kennedy, 1920
occultum Ris, 1918: 82, 119, (*Enallagma*). Colombia
- 1.4.1.4.21. *Millotagrion* Fraser, 1953
inaequistigma Fraser, 1953: 5, 161. Madagascar
- 1.4.1.4.-. *Nanosura* Kennedy, 1920
 (subg. of *Ischnura*)
- 1.4.1.4.22. *Oreagrion* Ris, 1913
armeniaceum Lieftinck, 1949: 5, 211. New Guinea
 * *lorentzi* Ris, 1913: 9, 488. New Guinea
oreadum Lieftinck, 1949: 5, 206. New Guinea
xanthocyane Lieftinck, 1949: 5, 216. New Guinea
- 1.4.1.4.23. *Oxyagrion* Selys, 1876 (blue relatives, *Acanthagrion*).
basale Selys, 1876: 41, 303. Brasil
brevistigma Selys, 1876: 41, 297. Brasil
bruchii Navas, 1924: 18, 19. Argentina
cardinale Fraser, 1946: 96, 41. Peru
chapadense Costa, 1978: 61, 92. Brasil
divaricatum Calvert, 1909: 6, 181.
 (syn. *microstigma*)
evanescens Calvert, 1909: 6, 179. Brasil
haematinum Selys, 1876: 41, 300. Brasil
hempeli Calvert, 1909: 6, 182. Brasil
impunctatum Calvert, 1909: 6, 188. Brasil
machadoi Costa, 1978: 61, 131. Brasil
microstigma Selys, 1876: 41, 298. Brasil
 (= *divaricatum*)
miniopsis Selys, 1876: 41, 299. Colombia
pavidum Selys, 1876: 41, 294. Brasil
 * *rubidum* Rambur, 1843: 261, (*Agrion*). Argentina
 (has ssp. *rufulum*)
rufulum Hagen, 1861: 86.
 (ssp. of *rubidum*)

- 1.4.1.4.23 *santosi* Martins, 1967: 10, 141. Brasil
simile Costa, 1978: 61, 176. Brasil
sulinum Costa, 1978: 61, 185. Brasil
terminale Selys, 1876: 41, 295. Brasil
- 1.4.1.4.24 *Pacificagrion* Fraser, 1925
dolorosa Fraser, 1953: 22, 119 Samoa
 * *lachrymosa* Fraser, 1926: 505 Samoa
- 1.4.1.4.25 *Protallagma* Kennedy, 1920
 (incl. *Oxyallagma* Kennedy, 1920)
andinum Foerster, 1909: 62, 231.
 (syn. *titcacae*)
dissidens Selys, 1876: 41, 292. Ecuador
 (= *runtuni*)
runtuni Kennedy, 1939: 32, 177.
 (syn. *dissidens*)
titcacae Calvert, 1909: 6, 203, (*Amphiagrion*). Peru
 (= *andinum*)
- 1.4.1.4.26 *Rhodischnura* Laidlaw, 1919
nursei Morton, 1907: 19, 306, (*Ischnura*). India
- 1.4.1.4.27 *Skiallagma* Foerster, 1906
baueri Foerster, 1906: 23. Neotropical
- 1.4.1.4.28 *Tigriagrion* Calvert, 1909
aurantinigrum Calvert, 1909: 6, 195. Brasil
- 1.4.1.4.29 *Xiphiagrion* Selys, 1876
berlandi Fraser, 1951: 18, 93.
 (syn. *cyanomelas*)
 * *cyanomelas* Selys, 1876: 41, 321. E. Indies
 (= *berlandi*; = *karschi*)
karschi Ris, 1898: 24, 326.
 (syn. *cyanomelas*)
truncatum Lieftinck, 1949: 5, 197. New Guinea
- 1.4.1.4.30 *Zoniagrion* Kennedy, 1917
exclamationis Selys, 1876: 41, 1251, (*Agrion*) N. America
- 1.4.1.5. Leptobasinae. Wings petiolate to distal end of Dc; anal vein
 leaves wing border at its inner end. Arc near level of distal antenodal;
 sectors of arc arise separately. Costal side of Dc shorter than post.
 Labium cleft for apical third to half. Legs short, spines shorter than
 twice separating distance. No vulvar spine.
- 1.4.1.5.1 *Antiagrion* Ris, 1904
antigone Ris, 1928: 17, 165. Chile
blanchardi Selys, 1876: 1309. Chile
 * *gayi* Selys, 1876: 1307, (*Erythromma*). Chile

- 1.4.1.5.1. *grinbergai* Jurzitza, 1974: 223. Chile
- 1.4.1.5.2. *Chrysobasis Racenis*, 1959
- * *buchholzi* Racenis, 1959: 40, 56. Venezuela
- lucifer* Donnelly, 1967: 50, 47. Guatemala
- 1.4.1.5.3. *Diceratobasis* Kennedy, 1920
- macrogaster* Selys, 1857: 465, (*Agrion*) Jamaica
- 1.4.1.5.4. *Inpabasis* Santos, 1961
- * *eliasi* Santos, 1961: 34, 2. Brasil
- hubelli* Santos, 1961: 34, 5. Peru
- machadoi* Santos, 1961: 34, 4. Brasil
- 1.4.1.5.5. *Leptobasis* Selys, 1877
- atrodorsum* Calvert, 1902: 121. C.America
(form of *vacillans*)
- candelaria* Alayo, 1968: 2, 83. Cuba
- costalimai* Santos, 1957: 157, 1. Brasil
- crocea* Foerster, 1906: 23, 15.
(syn. *vacillans*)
- ecuadorica* Calvert, 1909: 6, 201. Brasil
(form of *vacillans*)
- guianae* Calvert, 1909: 6, 201. Brasil
(form of *vacillans*)
- inversa* Selys, 1876: 42, 969. Brasil
(= *tuberculata*)
- mammilaris* Calvert, 1909: 6, 201. Brasil
- tuberculata* Santos, 1961: 21, 171.
(syn. *inversum*)
- * *vacillans* Selys, 1877: 43, 101. Cuba
(= *crocea*; has forms *atrodorsum*;
ecuadorica; *guianae*)
- 1.4.1.5.6. *Leucobasis* Racenis, 1959
- dandicans* Racenis, 1959: 40, 59. Venezuela
- 1.4.1.5.7. *Mesoleptobasis* Sjoestedt, 1918
- acuminata* Santos, 1961: 21, 200. Brasil
- cantralli* Santos, 1961: 21, 196. Brasil
- * *inca* Sjoestedt, 1918: 15, 22. Brasil
- 1.4.1.5.8. *Metaleptobasis* Calvert, 1907
- amazonica* Sjoestedt, 1918: 19. Brasil
- bicornis* Selys, 1877: 43, 103. Amazonia
- * *bovilla* Calvert, 1907: 368. Guatemala
- brysonima* Williamson, 1915: 48, 602. Trinidad
- fernandezi* Racenis, 1955: 1, 75. Venezuela
- foreli* Ris, 1918: 82, 130. Colombia

- 1.4.1.5.8. *manicaria* Williamson, 1915: 48, 603. Trinidad
 mauritia Williamson, 1915: 48, 603. Trinidad
 quadricornis Selys, 1877: 43, 104. Brasil
 rosea Selys, 1877: 43, 105. Amazon
 selysi Santos, 1956: 16, 381. Brasil
 tetragena Calvert, 1948: 33, 60. Guiana
 weibezahni Racenis, 1955: 1, 77. Venezuela
 westfalli Cumming, 1954: 37, 25. Panama
- 1.4.1.6. *Pseudagrioninae*. Wings petiolate barely to Ac. Anal vein arising approx. at level of Ac. Labium cleft to apical quarter - third. Claw hooks present. No vulvar spines.
- 1.4.1.6.1. *Aeolagrion* Williamson, 1917 (red relatives, Telebasis)
 (incl. pars. *Hylaeagrion* Foerster, 1906)
 argenteolineatum Foerster, 1906: 4, 15.
 (syn. *dorsale*)
 demerarum Williamson, 1917: 28, 244. Guiana
 * *dorsale* Burmeister, 1839: 2, 819, (*Leptagrion*). Brasil
 (= *argentiolineatum*)
 flammeum Selys, 1876: 42, 986. Amazonia
 foliaceum Sjoestedt, 1918: 11, 13. S. America
 fulvum Needham, 1933: 664, 5. Venezuela
 inalatum Calvert, 1961: 113, 8. Peru
 inca Selys, 1876: 42, 982. Peru
- 1.4.1.6.2. *Amphicnemis* Selys, 1863
 amabilis Lieftinck, 1940: 17, 368. Borneo
 annae Lieftinck, 1940: 17, 370. Borneo
 bicolor Martin, 1898: 593. Banguey Is.
 billitonis Lieftinck, 1940: 17, 374. Billiton Is.
 bonita Needham & Gyger, 1939: 70, 291. Luzon
 cantuga Needham & Gyger, 1939: 70, 296. Mindanao
 circularis Lieftinck, 1974: 3, 134. Tawi Tawi
 dactylostyla Lieftinck, 1953: 22, 386. Borneo
 dentifera Needham & Gyger, 1939: 70, 300. Mindanao
 ecornuta Selys, 1890: 27, 482. Sumatra
 erminea Lieftinck, 1953: 22, 247. Borneo
 flavicornis Needham & Gyger, 1939: 70, 294. Luzon
 furcata Brauer, 1868: 18, 543. Luzon
 glauca Brauer, 1868: 18, 542. Luzon
 gracilis Kruger, 1898: 59, 121. Sumatra
 incallida Needham & Gyger, 1939: 70, 291. Philippines
 kuiperi Lieftinck, 1937: 16, 99. Billiton Is.

- 1.4.1.6.2. *lestoides* Brauer, 1868: 18, 541. Mindanao
madelenae Laidlaw, 1913: 71. Borneo
mariae Lieftinck, 1940: 17, 374. Borneo
martini Ris, 1911: 55, 237. Borneo
mcgregori Needham & Gyger, 1939: 70, 293. Luzon
pandanicola Lieftinck, 1953: 22, 388. Borneo
platystyla Lieftinck, 1953: 22, 246. Borneo
remiger Laidlaw, 1912: 63, 96. Borneo
smedleyi Laidlaw, 1926: 4, 219. Mentawai Is.
* *wallacii* Selys, 1863: 153. Sarawak
- 1.4.1.6.3. *Anisagrion* Selys, 1876
* *allopterum* Selys, 1876: 42, 953. C.America
(= *rubicundum*)
inornatum Selys, 1876: 42, 983. S. & C.America
(= *meridionale*)
kennedyi Leonard, 1937: 354, 2. Panama
meridionale Racenis, 1953: 18, 181.
(syn. *inornatum*)
rubicundum Selys, 1876: 42, 954.
(syn. *allopterum*)
trucatipennis Calvert, 1902: 106. Guatemala
- 1.4.1.6.4. *Apanisagrion* Kennedy, 1920
lais Selys, 1896: 42, 990, (*Anisagrion*). C.America
- 1.4.1.6.5. *Archibasis* Kirby, 1890
(= *Stenobasis* Selys, 1877)
crucigera Lieftinck, 1949: 5, 185. New Guinea
incisura Lieftinck, 1949: 5, 185. Borneo
* *melanocyana* Selys, 1877: 110, (*Stenobasis*). Malacca
mimetes Tillyard, 1913: 37, 472. N.Australia
oscillans Selys, 1877: 108. Siam
(= *praeclara*)
praeclara Fraser, 1924: 26, 493.
(syn. *oscillans*)
sushmae Singh, 1955: 4, 747. Himalayas
tenella Lieftinck, 1949: 5, 184. Borneo
viola Lieftinck, 1948: 19, 289. Burma - Celebes
- 1.4.1.6.6. *Argiagrion* Selys, 1876
leoninum Selys, 1876: 42, 530. W.Africa
- 1.4.1.6.7. *Caliagrion* Tillyard, 1913
billinghamsti Martin, 1901: 14, 246, (*Pseudagrion*) E.Australia
- 1.4.1.6.8. *Certiagrion* Selys, 1876
(incl. *Brachybasis* Selys, 1869; &
Palaeobasis Kennedy, 1920)

- 1.4.1.6.8. *aeruginosum* Brauer, 1869: 19, 13. Papua - Australia
(= *erubescens*)
- annulatum* Fraser, 1955: 51, 35. Congo
- annulosum* Lieftinck, 1934: 3, 11. E.Indies
- aurantiacum* Fraser, 1924: 26, 492. India
(ssp. of *olivaceum*)
- auranticum* Fraser, 1922: 4, 236. Siam
- auritum* Fraser, 1951: 6, 412. Madagascar
- azureum* Selys, 1891: 10, 513. India - China
- bakeri* Fraser, 1941: 10, 62. Uganda
(= *villiersi*)
- batjanum* Asahina, 1967: 15, 267. Batjan
- bellona* Laidlaw, 1915: 2, 274. Borneo
(has ssp. *hoogwerfii*)
- bidentatum* Fraser, 1941: 10, 64.
(syn. *corallinum*)
- calamineum* Lieftinck, 1951: 21, 189. E.Indies
- cerinomas* Lieftinck, 1927: 70, 88. N.India
(ssp. of *fallax*)
- * *cerinorubellum* Brauer, 1865: 15, 511, (Agrion). S.E.Asia/
E.Indies
- cerinum* Rambur, 1842: 279.
(syn. *coromandelianum*)
- chaoi* Schmidt, 1964: 85, 152. Burma
- citrinum* Campion, 1914: 14, 278. Nigeria
- corallinum* Campion, 1914: 14, 279.
(= *bidentatum*)
- coromandelianum* Fabricius, 1798: 287. India
(= *cerinum*)
- erubescens* Selys, 1891: 516.
(syn. *aeruginosum*)
- fallax* Ris, 1914: 3, 47. China
(has ssp. *cerinomas* & *pendleburyi*)
- ferrugineum* Rambur, 1842: 280.
(syn. *glabrum*)
- georgifreyi* Schmidt, 1953: 43, 1. W.Asia
- glabrum* Burmeister, 1839: 2, 821. Africa
(= *ferrugineum*; = *rhomboidalis*; has ssp. *longispinum*)
- hamoni* Fraser, 1955: 22, 237. Upper Volta
- hoogwerfii* Lieftinck, 1940: 17, 360. Sumatra
(ssp. of *bellona*)
- ignitum* Campion, 1914: 14, 281. Ghana
- inaequale* Lieftinck, 1932: 592. New Guinea
- indochinense* Asahina, 1967: 15, 288. Indochina

- 1.4.1.6.8. *katamborae* Pinhey, 1961: 14, 20. Zambia
ƙordofanicum Ris, 1924: 99, 279. Sudan
latericum Lief tinck, 1951: 21, 193. S.E.Asia/E.Indies
 (has ssp. *ryukyuanum*)
lieftincki Asahina, 1967: 15, 297. Philippines
longispinum Pinhey, 1963: 6, 18. Congo
 (ssp. of *glabrum*)
madagazureum Fraser, 1949: 3, 27. Madagascar
malaisei Schmidt, 1964: 85, 152. Burma/Indochina
melanurum Selys, 1876: 42, 329. E.Asia
moorei Longfield, 1952: 21, 44. Ghana
mourae Pinhey, 1969: 66, 3. Mozambique
nielsenii Schmidt, 1953: 43, 6. S.Europe
 (ssp. of *tenellum*)
nigroflavum Fraser, 1933: 1, 324. India/Indochina
nigrolineatum Schmidt, 1951: 20, 158. Madagascar
nipponicum Asahina, 1967: 15, 302. China/Japan
oblongulum Schmidt, 1951: 6, 268. Madagascar
olivaceum Laidlaw, 1914: 8, 345. S.E.Asia
 (has ssp. *aurantiacum*)
pallidum Fraser, 1933: 9, 118. Laos
pendleburyi Laidlaw. 1931: 16, 198. India/Malaya
 (ssp. of *fallax*)
platystigma Fraser, 1941: 10, 63. Uganda
praetermissum Lief tinck, 1929: 72, 115. S.E.Asia
rhomboidalis Beauvois, 1805: 85, 1. (syn. *glabrum*)
rubella Vanderlinden, 1923: 4, 105. (syn. *tenellum*)
rubellocerinum Fraser, 1947: 98, 28. Ivory Coast
rubiae Laidlaw, 1916: 12, 132. W.India
ryukyuanum Asahina, 1967: 15, 293. E.Asia
 (ssp. of *latericum*)
sakejii Pinhey, 1963: 6, 21. Rhodesia
sanguinostigma Fraser, 1955: 51, 33. Congo
sinense Asahina, 1967: 15, 311. E.China
suave Ris, 1921: 18, 316. E.Africa
tenellum de Villers, 1789: 3, 15. Europe
 (has ssp. *nielsenii*)
tricronateps Legrand, 1984: 13, 242. Gabon
variens Martin, 1908: 43, 660. W.Africa
villiersi Fraser, 1952: 21, 42. (syn. *bakeri*)

- 1.4.1.6.8. *whellani* Longfield, 1952: 21, 42. Rhodesia
- 1.4.1.6.9. *Hylaeonympha Racenis*, 1968
magoi Racenis, 1968: 11, 7. Venezuela
- 1.4.1.6.10. *Leptagrion* Selys, 1876
- aculeatum* Santos, 1965: 9, 29. Brasil
 - acutum* Santos, 1961: 21, 359. Brasil
 - andromache* Selys, 1876: 42, 978. Brasil
 - auriceps* St.Quentin, 1960: 2, 47. Brasil
 - autazense* Sjoestedt, 1918: 15, 11. Brasil
 - beebeanum* Calvert, 1948: 33, 58. Guiana
 - bocainense* Santos, 1979: 8, 167. Brasil
 - capixabae* Santos, 1965: 4, 42. Brasil
 - croceum* Burmeister, 1839: 2, 819. Surinam
 - dardanoi* Santos, 1968: 12, 63. Brasil
 - dispar* Selys, 1876: 42, 979. Brasil
 - elongatum* Selys, 1876: 42, 979. Brasil
 - fernandezianum* Racenis, 1958: 2, 195. Venezuela
 - garbei* Santos, 1961: 21, 360. Brasil
 - * *macrurum* Burmeister, 1839: 2, 819, (Agrion). Brasil
 - obsoletum* Selys, 1876: 42, 985. Brasil
 - perlongum* Calvert, 1909: 6, 158. Argentina
 - prothoracicum* Kimmins, 1945: 12, 187. Ecuador
 - porrectum* Selys, 1876: 42, 975. Brasil
 - rufum* Selys, 1876: 42, 987. S.America
 - siqueirai* Santos, 1968: 12, 137. Brasil
 - vriesianum* Santos, 1978: 292, 1. Brasil
- 1.4.1.6.11. *Megalagrion* McLachlan, 1883
(incl. *Hawaiiagrion*, *Kilauagrion* &
Oahuagrion Kennedy, 1920)
- adytum* Perkins, 1899: 11, 69. Hawaii
(= *tillyardi*)
 - amaurodytum* Perkins, 1899: 11, 66. Hawaii
(has ssp. *fallax*, *peles* & *waianaeanum*)
 - astelliae* Perkins, 1899: 11, 66.
(syn. *koelense*)
 - * *blackburni* McLachlan, 1883: 12, 238. Hawaii
 - callipha* McLachlan, 1883: 12, 236. Hawaii
(has ssp. *microdemas* & *satteles*)
 - calverti* Perkins, 1910: 2, 694.
(syn. *hawaiiense*)
 - deceptor* McLachlan, 1883: 12, 235.
(syn. *hawaiiense*)

- 1.4.1.6.11. *dinesiotes* Kennedy, 1934: 27, 343.
(syn. *nesiotes*)
- eudytum* Perkins, 1899: 11, 68. Hawaii
- fallax* Perkins, 1899: 11, 67. Hawaii
(ssp. of *amaurodytum*)
- hawaiiense* McLachlan, 1883: 12, 232. Hawaii
(= *calverti*; = *deceptor*)
- heterogamias* Perkins, 1899: 11, 77. Hawaii
- jugorum* Perkins, 1899: 11, 72. Hawaii
- kauaiense* Blackburn, 1899: 11, 75. Hawaii
- koelense* Blackburn, 1884: 12, 417. Hawaii
(= *asteliae*)
- leptodemas* Perkins, 1899: 11, 70. Hawaii
- microdemas* Perkins, 1899: 11, 71. Hawaii
(ssp. of *calliphya*)
- molokaiense* Perkins, 1899: 11, 73. Hawaii
- nesiotes* Perkins, 1899: 11, 72. Hawaii
(= *dinesiotes*)
- nigrohamatum* Blackburn, 1884: 14, 415. Hawaii
(has ssp. *nigrolineatum*)
- nigrolineatum* Perkins, 1899: 2, 65. Hawaii
(ssp. of *nigrohamatum*)
- oahuense* Blackburn, 1884: 14, 415. Hawaii
- oceanicum* McLachlan, 1883: 12, 239. Hawaii
- oresitrophum* Perkins, 1899: 11, 69. Hawaii
- orobates* Perkins, 1899: 11, 70. Hawaii
- pacificum* McLachlan, 1883: 12, 234. Hawaii
- paludicola* Maciolek & Howarth, 1979: 21, 167. Hawaii
- peles* Perkins, 1899: 11, 67. Hawaii
(ssp. of *amaurodytum*)
- satelles* Blackburn, 1884: 14, 414. Hawaii
(syn. *calliphya*)
- tillyardi* Perkins, 1910: 2, 695. Hawaii
(syn. *adytum*)
- vagabundum* Perkins, 1899: 11, 75. Hawaii
- waianaeaeum* Perkins, 1899: 11, 67. Hawaii
(ssp. of *amaurodytum*)
- williamsoni* Perkins, 1910: 2, 696. Hawaii
- xanthomelas* Selys, 1876: 174. Hawaii
- 1.4.1.6.12. *Melanesobasis* Donnelly, 1984
- annulata* Brauer, 1869: 19, 10. Samoa
(= *flavilabris*?)
- bicellulare* Donnelly, 1984: 13, 100. Vanuatu
- * *corniculata* Tillyard, 1924: 319, (*Nesobasis*). Fiji
(has ssp. *marginata*)

- 1.4.1.6.12. *flavilabris* Selys, 1891: 35, 55. Fiji
(syn. *annulata*?)
- maculosa* Donnelly, 1984: 13, 95. Fiji
- marginata* Donnelly, 1984: 13, 102. Fiji
(ssp. of *corniculata*)
- mcleani* Donnelly, 1984: 13, 96. Fiji
- prolixa* Donnelly, 1984: 13, 100. Fiji
- simmondsi* Tillyard, 1924: 320. Fiji
- 1.4.1.6.13. *Minagrion* Santos, 1965
- caldense* Santos, 1965: 9, 10. Brasil
- canaanense* Santos, 1967: 11, 7. Brasil
- * *mecistogastrum* Selys, 1876: 42, 972, (Telagrion). Brasil
- ribeiroi* Santos, 1956: 16, 369. Argentina
- serracipoense* Santos, 1956: 16, 369.
(syn. *waltheri*)
- waltheri* Selys, 1876: 41, 1286. Brasil
(= *serracipoense*)
- 1.4.1.6.14. *Nesobasis* Selys, 1891
- angulicollis* Tillyard, 1924: 322. Fiji
- aurantiaca* Tillyard, 1924: 330. Fiji
- bidens* Kimmins, 1958: 6, 239. New Hebrides
- brachycerca* Tillyard, 1924: 332. Fiji
- campioni* Tillyard, 1924: 329. Fiji
- comosa* Tillyard, 1924: 321. Fiji
- * *erythrope* Selys, 1891: 35, 53. Fiji
- heteroneura* Tillyard, 1924: 333. Fiji
- leveri* Kimmins, 1943: 10, 699. Fiji
- longistyla* Selys, 1891: 35, 57. Fiji
- malekulana* Kimmins, 1936: 18, 72. New Hebrides
- nigrostigma* Selys, 1891: 35, 56. Fiji
- selysi* Tillyard, 1924: 327. Fiji
- subhumeralis* Tillyard, 1924: 325. Fiji
- telegastrum* Selys, 1891: 35, 54. Fiji
- 1.4.1.6.15. *Papuagrion* Ris, 1913
- auriculatum* Lieftinck, 1937: 1, 321. New Guinea
- corniculatum* Lieftinck, 1949: 5, 152. New Guinea
(ssp. of *pesechem*)
- corruptum* Lieftinck, 1938: 2, 105. New Guinea
- degeneratum* Lieftinck, 1937: 1, 316. New Guinea
- digitiferum* Lieftinck, 1949: 5, 155. New Guinea
- ekari* Lieftinck, 1949: 5, 148. New Guinea

- 1.4.1.6.15. *flavipedum* Lieftinck, 1949: 5, 156. New Guinea
flavithorax Selys, 1878: 3, 322. New Guinea
fraterculum Lieftinck, 1937: 1, 323. New Guinea
gurneyi Lieftinck, 1949: 20, 341. Bougainville
insulare Lieftinck, 1949: 5, 160. Schouten Is.
laminatum Lieftinck, 1937: 1, 319. New Guinea
magnanimum Selys, 1876: 42, 516. Aru
* *occipitale* Selys, 1877: 43, 111, (Stenobasis). New Guinea
oppositum Lieftinck, 1949: 5, 148. New Guinea
pandanicolum Lieftinck, 1949: 5, 153. New Guinea
perameles Lieftinck, 1949: 5, 159. New Guinea
pesechem Lieftinck, 1949: 5, 151. New Guinea
(has ssp. *corniculatum*)
prothoracale Lieftinck, 1935: 17, 224. New Guinea
rectangulare Lieftinck, 1937: 1, 313. New Guinea
reductum Ris, 1913: 9, 484. New Guinea
rufipedum Lieftinck, 1937: 1, 317. New Guinea
spinicaudum Lieftinck, 1937: 1, 311. New Guinea
- 1.4.1.6.16. *Pericnemis* Selys, 1863
* *stictica* Selys, 1863: 16, 152. Malaya to Borneo
triangularis Laidlaw, 1931: 16, 248. Borneo
- 1.4.1.6.17. *Plagulibasis* Lieftinck, 1949
ciliata Ris, 1913: 9, 485, (Nesobasis). New Guinea
- 1.4.1.6.18. *Pseudagrion* Selys, 1876
(incl. *Paulianagrion* Fraser, 1941)
acaciae Foerster, 1906: 71, 56. Africa
aguesse Pinhey, 1964: 26, 1146. Sierra Leone
alcicorne Foerster, 1906: 71, 64. Madagascar
(has ssp. *digitatum*)
ambatoroae Aguesse, 1968: 4, 663. Madagascar
ampolomitae Aguesse, 1968: 4, 663. Madagascar
andamanicum Fraser, 1924: 26, 411. Andaman Is.
angelicum Fraser, 1947: 98, 25. Ivory Coast
angolense Selys, 1876: 42, 493. W. Africa
(= *monardi*; = *filiforme*)
apicale Schmidt, 1949: 3, 7. Madagascar
approximans Selys, 1876: 42, 507.
(form of *microcephalum*)
approximatum Schmidt, 1951: 6, 230. Madagascar
arabicum Waterston, 1980: 2, 60. Arabia
(ssp. of *inconspicuum*)
assegaii Pinhey, 1950: 21, 261. S. Africa

- 1.4.1.6.18. aureofrons Tillyard, 1906: 31, 189. N. & E. Australia
 australasiae Selys, 1876: 42, 506. N. & E. Australia
 (= bengalense)
 azureum Needham & Gyger, 1939: 70, 283. Philippines
 basicornu Ris, 1936: 433, 62. W. Africa
 beadlei Pinhey, 1961: 33. E. Africa
 (form of sjoestedti)
 bengalense Laidlaw, 1919: 16, 192.
 (syn. australasiae)
 bicoerulans Martin, 1906: 511. E. Africa
 (= grande; = major; = stellatum)
 bidentatum Morton, 1907: 308. India
 * cafferum Burmeister, 1839: 2, 821, (Agrion). Africa
 (= palliatum)
 calosomum Liefstinck, 1936: 43, 123. S. E. Asia
 celebense Liefstinck, 1937: 16, 90. Celebes
 ceylonicum Kirby, 1891: 205. Ceylon
 (ssp. of rubriceps)
 cheliferum Fraser, 1949: 3, 29. Madagascar
 chloriceps Fraser, 1953: E3, 30. Madagascar
 chomae Pinhey, 1964: 7, 90.
 (syn. massaicum)
 chongwe Pinhey, 1961: 14, 26. N. Rhodesia
 (form of salisburyense)
 cingillum Brauer, 1869: 19, 11. Papua - N. Australia
 (= papuense)
 citricola Barnard, 1937: 32, 212. S. Africa
 civicum Liefstinck, 1932: 15, 86. New Guinea
 coarctatum Liefstinck, 1932: 15, 94. New Guinea
 coeleste Longfield, 1947: 16, 9. Africa
 (has ssp. samfya)
 coeruleiceps Longfield, 1959: 45, 19. Nigeria
 coeruleipunctum Pinhey, 1964: 63, 103. Angola
 cogmani Barnard, 1937: 32, 215.
 (syn. massaicum)
 commoniae Foerster, 1910: 15, 75. S. E. Africa
 (has ssp. nigerrimum)
 conspicuum Fraser, 1947: 98, 27.
 (syn. hemicolon)
 coomansi Liefstinck, 1937: 16, 86. Borneo
 coriaceum Selys, 1876: 42, 513. Moluccas
 crocops Selys, 1876: 42, 512. Celebes
 (= semicolon)
 cyathiforme Pinhey, 1973: 2, 318. W. Africa

- 1.4.1.6.18. *deckeni* Gerstaecker, 1869: 35, 222.
(syn. *kersteni*)
- declaratum* Lieftinck, 1936: 43, 132. Sunda Is.
(ssp. of *pilidorsum*)
- deconcertans* Aguesse, 1968: 4, 655. Madagascar
- decorum* Rambur, 1842: 258. India
- deflexum* Lieftinck, 1936: 43, 134. Timor
(ssp. of *pilidorsum*)
- demorsum* Needham, 1935: 114, 71. Marquesas Is.
- deningi* Pinhey, 1961: 14, 28. N.Rhodesia
- digitatum* Fraser, 1949: 3, 3. Madagascar
(ssp. of *alcicorne*)
- dispar*, Schmidt, 1949: 3, 5. Madagascar
- divaricatum* Schmidt, 1951: 6, 223. Madagascar
- doualae* Pinhey, 1960: 96, 260. Cameroons
(ssp. of *sublacteum*)
- draconis* Barnard, 1937: 32, 213. S.Africa
(form of *kersteni*)
- dundoense* Longfield, 1953: 45, 24. Angola
- elongatum* Needham, 1930: 11, 261. China
- emarginatum* Karsch, 1893: 38, 39.
(syn. *melanicterum*)
- enganoense* Lieftinck, 1948: 19, 290. Engano
(ssp. of *pilidorsum*)
- epiphonematicum* Karsch, 1891: 17, 68. Cameroons
- estesi* Pinhey, 1971: 4, 2. Angola
- evanidum* Needham & Gyger, 1939: 70, 286. Philippines
- farinicolis* Lieftinck, 1932: 15, 88. New Guinea
- filiforme* Ris & Schmidt, 1936: 45.
(syn. *angolense*)
- fisheri* Pinhey, 1961: 14, 29. N.Rhodesia
- flavifrons* Needham & Gyger, 1939: 70, 285.
(syn. *rubriceps*)
- flavipes* Sjoestedt, 1899: 25, 59.
(syn. *hemicolon*; has ssp. *leonense*)
- fraseri* Schmidt, 1934: 8, 348.
(syn. *pruinatum* *ranauense*)
- furcigerum* Rambur, 1842: 261. Africa
- gamblesi* Pinhey, 1978: 8, 1. Zimbabwe
- gerstaeckeri* Karsch, 1899: 25, 379. C.Africa
(ssp. of *spernatum*)
- giganteum* Schmidt, 1951: 6, 239. Madagascar
- gigas* Schmidt, 1936: 433, 33. W.Africa
- glauescens* Selys, 1876: 42, 498. E. & W.Africa
(= *zumbense*; has ssp. *mozambicense* & *zambesiense*)

- 1.4.1.6.18. *glaucoideum* Ris, 1936: 433, 66. C.Africa
glaucum Sjoestedt, 1900: 25, 2.
 (syn. *nubicum*)
grande Sjoestedt, 1909: 14, 45.
 (syn. *bicoerulans*)
greeni Pinhey, 1960: 96, 260. Zambia
greigi Pinhey, 1960: 96, 259.
 (syn. *sjoestedti wittei*)
guichardi Kimmins, 1958: 7, 351. N.E.Africa
hageni Karsch, 1893: 38, 38. S.Africa
 (= *rubridorsum*; has ssp. *tropicatum*)
hamoni Fraser, 1955: 22, 239. Upper Volta
 (= *whellani*)
hamulus Schmidt, 1951: 6, 220. Madagascar
helenae Balinsky, 1964: 36, 3. Africa
 (has ssp. *planiramum*)
hemicolon Karsch, 1899: 25, 168. Camerouns
 (= *conspicuum*; = *flavipes*)
hulae Dumont, 1973: 22, 189. Israel
 (ssp. of *torridum*)
hypermelas Selys, 1876: 42, 519. India
igniceps Fraser, 1953: 5, 163. Madagascar
ignifer Tillyard, 1906: 31, 188. N.Australia
incisurum Lieftinck, 1949: 20, 336. Solomon Is.
inconspicuum Ris, 1931: 38, 98. W.Africa
 (has ssp. *arabicum*)
indicum Fraser, 1924: 26, 495. India
infracavum Schmidt, 1934: 8, 350.
 (syn. *nigrofasciatum*)
inopinatum Balinsky, 1971: 34, 11. Transvaal
isidromorai Sart, 1967: 65, 1. W.Africa
jacksoni Pinhey, 1961: 37. Uganda
 (ssp. of *sjoestedti*)
kaffinum Consiglio, 1978: 243, 37. Ethiopia
kersteni Gerstaecker 1869: 35, 222. E.Africa
 (= *deckenii*; = *kilimanjaricum*; = *praetextum*;
 has ssp. *syriacum*, has form *draconis*)
kibalense Longfield, 1959: 45, 22. Uganda
kilimanjaricum Sjoestedt, 1909: 14, 47.
 (syn. *kersteni*)
laidlawi Fraser, 1922: 7, 48. N.India
leonense Pinhey, 1964: 26A, 1147. W.Africa
 (ssp. of *flavipes*)
lindicum Grunberg, 1902: 230. E.Africa

1.4.1.6.18	lucidum Schmidt, 1951: <u>6</u> , 255.	Madagascar
	macrolucidum Aguesse, 1968: <u>4</u> , 667.	Madagascar
	major Martin, 1915: 46. (syn. bicoerqlans)	
	makabusiense Pinhey, 1950: <u>21</u> , 263.	S.Rhodesia
	malabaricum Fraser, 1924: <u>26</u> , 494.	W.India
	malagasoides Pinhey, 1973: <u>2</u> , 231.	W.Africa
	malagassicum Schmidt, 1949: <u>3</u> , 22.	Madagascar
	massaicum Sjoestedt, 1909: <u>14</u> , 48. (= chomae; = cogmani)	S. & E.Africa
	melanicterum Selys, 1876: <u>42</u> , 492. (= emarginatum)	W.Africa
	mellisi Schmidt, 1951: <u>6</u> , 231.	Madagascar
	merina Schmidt, 1949: <u>3</u> , 22.	Madagascar
	microcephalum Rambur, 1842: 259.	E.Asia to Australia
	mohelli Aguesse, 1968: <u>4</u> , 659.	Madagascar
	monardi Longfield, 1947: <u>16</u> , 12. (syn. angolense)	
	mortoni Schmidt, 1936: <u>433</u> , 55. (ssp. of sublacteum)	Palestine
	mozambicense Pinhey, 1962: <u>263</u> , 894. (ssp. of glaucescens)	Mozambique
	natalense Ris, 1921: <u>18</u> , 307. (ssp. of spernatum)	S.Africa
	newtoni Pinhey, 1962: <u>26B</u> , 895.	Zululand
	nigeriense Gambles, 1974: <u>110</u> , 118. (ssp. of sjoestedti)	W.Africa
	nigerrimum Pinhey, 1950: <u>21</u> , 265. (ssp. of commoniae)	S.E.Africa
	nigripes Schmidt, 1951: <u>6</u> , 242.	Madagascar
	nigrofasciatum Liefstinck, 1934: <u>3</u> , 6. (= infracavum)	Java
	niloticum Dumont, 1978: <u>7</u> , 127.	Nile System
	nubicum Selys, 1876: <u>42</u> , 501.	W.Africa
	obscurum Liefstinck, 1936: <u>43</u> , 131. (ssp. of pilidorsum)	Nias
	olsufieffi Schmidt, 1951: <u>6</u> , 223.	Madagascar
	orientale Belyshev, 1973: <u>2</u> , 101.	Siberia
	orientis Schmidt, 1951: <u>20</u> , 154. (form of torridum)	N.E.Africa
	pacificum Tillyard, 1923: 311.	Fiji
	palauense Liefstinck, 1962: <u>5</u> , 36.	Caroline Is.
	palliatum Selys, 1876: <u>42</u> , 497. (syn. caffrum)	

- 1.4.1.6.18. papuense Tillyard, 1926: 15, 159.
(syn. cingillum)
- pelecotomum Lieftinck, 1932: 15, 93. New Guinea
- perfuscatum Lieftinck, 1937: 16, 94. Borneo
- pilidorsum Brauer, 1868: 18, 553. S.E.Asia
(has ssp. decloratum; deflexum; enganoense;
obscurum; & simalurum)
- planiramus Pinhey, 1964: 7, 97. Zambia
(ssp. of helenae)
- platystictoides Fraser, 1941: 37.
(syn. risi)
- pontogenes Ris, 1915: 4, 140. Mayotte Is.
- praetextatum Selys, 1876: 42, 494
(syn. kersteni)
- pruinatum Burmeister, 1839: 2, 821. Java
(has ssp. ranauense; = fraseri)
- pseudomassalicum Pinhey, 1951: 5, 93.
(syn. sublacteum)
- pseudosjoestedti Pinhey, 1964: 7, 88. E.Africa
(ssp. of sjoestedti)
- pterauratum Aguesse, 1968: 4, 657. Madagascar
- punctum Rambur, 1842: 260. Mauritius
- quadrioculatum Pinhey, 1964: 7, 34. Congo
- ranauense Schmidt, 1934: 13, 348. Sumatra
(ssp. of pruinatum)
- renaudi Fraser, 1953: 5, 162. Madagascar
- risi Schmidt, 1936: 433, 34. Cameroons
(= platystictoides)
- rubriceps Selys, 1876: 42, 510. S.E.Asia
(= flavifrons; has ssp. ceylonicum)
- rubridorsum Balinsky, 1963: 26, 245.
(syn. hageni)
- rubroviride Pinhey, 1956: 4, 23. Rhodesia
(ssp. of sudanicum)
- rufocinctum Pinhey, 1956: 4, 24. Cameroons
- rufostigma Longfield, 1947: 16, 11. Angola
- rusingae Pinhey, 1955: 4, 22. Rhodesia
(form of sublacteum)
- salisburyense Ris, 1921: 18, 306. S.Africa
- samfya Pinhey, 1964: 7, 95. Rhodesia
(ssp. of coeleste)
- samoense Fraser, 1924: 430. Samoa
- schmidtianum Lieftinck, 1936: 43, 122. Timor
- semicolon Foerster, 1896: 22, 325.
(syn. crocops)

1.4.1.6.18,	serrulatum Karsch, 1894: <u>38</u> , 16. (= superbum)	C. & W. Africa
	seyrigi Schmidt, 1951: <u>6</u> , 260.	Madagascar
	siamense Fraser, 1922: <u>4</u> , 325.	Siam
	silaceum Lieftinck, 1932: <u>15</u> , 84.	New Guinea
	simalurum Lieftinck, 1948: <u>19</u> , 289. (ssp. of pilidorsum)	Simalur Is.
	simile Schmidt, 1951: <u>6</u> , 233.	Madagascar
	sjoestedti Foerster, 1906: <u>71-2</u> , 62. (has ssp. beadleii; jacksoni; nigeriense; pseudosjoestedti; wittei [= greigy])	C. Africa
	spencei Fraser, 1922: <u>7</u> , 47.	India
	spernatum Selys, 1881: <u>16</u> , 223. (has ssp. gerstaeckeri & natalense)	E. & S. Africa
	spinithoracicum Legrand, 1981: <u>10</u> , 232.	W. Africa
	starreanum Lieftinck, 1949: <u>5</u> , 181.	New Guinea
	stellatum Martin, 1915: <u>23</u> , 46. (syn. bicoerulans)	
	stuckenbergi Pinhey, 1964: <u>7</u> , 155.	Madagascar
	sublacteum Karsch, 1893: <u>38</u> , 40. (= pseudomassaicum; has ssp. doualae & mortoni; has form rusingae)	S. & W. Africa
	sudanicum le Roi, 1915: <u>1</u> , 337. (has form vansomereni & ssp. rubroviride)	N. Africa
	superbum Fraser, 1956: <u>54</u> , 382. (syn. serrulatum)	
	symoensi Pinhey, 1967: <u>14</u> , 15.	Rhodesia
	syriacum Selys, 1887: <u>31</u> , 47. (ssp. of kersteni)	Syria
	thenartum Fraser, 1955: <u>42</u> , 17.	Congo
	tinctipennis Fraser, 1951: <u>6</u> , 407.	Madagascar
	torridum Selys, 1876: <u>42</u> , 500. (has ssp. hulae and form orientis)	Senegal
	tricornis Pinhey, 1967: <u>14</u> , 25.	Rhodesia
	tropicatum Pinhey, 1966: <u>73</u> , 290. (ssp. of hageni)	C. Africa
	trigonale Schmidt, 1951: <u>6</u> , 241.	Madagascar
	umzingaziense Balinsky, 1963: <u>26</u> , 237.	Natal
	ungulatum Fraser, 1951: <u>6</u> , 409.	Madagascar
	ustum Selys, 1876: <u>42</u> , 515.	Moluccas
	vaalense Chutter, 1962: <u>3</u> , 173.	S. Africa
	vakoanae Aguesse, 1968: <u>4</u> , 661.	Madagascar
	vansomereni Pinhey, 1961: 38. (form of sudanicum)	E. Africa

- 1.4.1.6.18. vumbaense Balinsky, 1963: 26, 228. Rhodesia
 whellani Pinhey, 1956: 4, 18.
 (syn. hamoni)
 williamsi Pinhey, 1964: 26, 327. Rhodesia
 williamsoni Fraser, 1922: 7, 46. Burma
 wittei Fraser, 1949: 61, 7. Congo
 (ssp. of sjoestedti; = greigi)
 zambesiense Pinhey, 1964: 7, 73. Zambezi
 (ssp. of glaucescens)
 zumbense Navas, 1917: 15, 72.
 (syn. glaucescens)
- 1.4.1.6.19. Seychellibasis Kennedy, 1920
 alluaudi Martin, 1896: 9, 110. Seychelles
 berlandi Schmidt, 1951: 6, 274. Madagascar
 (ssp. of alluaudi)
 malawiensis Pinhey, 1966: 2, 3. Malawi
- 1.4.1.6.20. Stenagrion Laidlaw, 1912
 dubium Laidlaw, 1912: 63, 97, (Pseudagrion). Borneo
- 1.4.1.6.21. Teinobasis Kirby, 1890
 aerides Lieftinck, 1962: 5, 34. Caroline Is.
 albula Ris, 1915: 13, 83. New Guinea
 alternans Lieftinck, 1935: 17, 242. New Guinea
 aluensis Campion, 1924: 14, 614. Solomon Is.
 angusticlavia Ris, 1913: 34, 522. Aru Is.
 (ssp. of nitescens)
 argiocnemis Lieftinck, 1949: 5, 165. New Guinea
 ariel Lieftinck, 1962: 5, 31. Caroline Is.
 aurea Lieftinck, 1932: 15, 101. New Guinea
 bradleyi Kimmins, 1957: 5, 315. Guadalcanal
 buwaldai Lieftinck, 1949: 5, 171. Aru Is.
 carolinensis Lieftinck, 1962: 5, 23. Caroline Is.
 combusta Selys, 1877: 43, 120. Sula
 corolla Needham & Gyger, 1939: 70, 303. Luzon
 debeauforti Lieftinck, 1938: 2, 107. New Guinea
 debeauxi Lieftinck, 1938: 2, 113. New Guinea
 dolabrata Lieftinck, 1938: 2, 114. New Guinea
 dominula Lieftinck, 1937: 1, 328. New Guinea
 emarginata Lieftinck, 1949: 20, 344. Solomon Is.
 euglena Lieftinck, 1934: 3, 8. Malaysia
 eximia Selys, 1878: 23, 322.
 (syn. superba)
 filamenta Needham & Gyger, 1939: 70, 302. Mindanao

- 1.4.1.6.21. *filiformis* Brauer, 1868: 43, 544. Luzon
filum Brauer, 1868: 18, 545. Mindanao
fortis Lieftinck, 1962: 5, 26. Caroline Is.
fulgens Lieftinck, 1949: 5, 172. New Guinea
gracillima Fraser, 1926: 8, 494.
(syn. *superba*)
helvola Lieftinck, 1930: 12, 155. Celebes
humeralis Lieftinck, 1949: 5, 168. New Guinea
(ssp. of *serena*)
kirbyi Laidlaw, 1902: 11, 386. Perak
laglaizei Selys, 1897: 111, 322. Papua
laidlawi Kimmins, 1936: 18, 95. Borneo
leonorae Lieftinck, 1937: 16, 97.
(syn. *rajah*)
lorquini Selys, 1877: 43, 118. Moluccas
luciae Lieftinck, 1937: 1, 326. New Guinea
metallica Foerster, 1898: 21, 300. New Guinea
metallica Ris, 1913: 34, 522.
(syn. *nitescens*)
micans Lieftinck, 1949: 5, 174. New Guinea
nigra Campion, 1928: 136. Luzon
nitescens Lieftinck, 1935: 17, 244. New Guinea
(= *metallica* Ris; has ssp. *angusticlavia*)
olivacea Ris, 1915: 13, 102. Philippines
olthofi Lieftinck, 1949: 5, 169. New Guinea
palauensis Lieftinck, 1949: 5, 21. Palau
ponapensis Lieftinck, 1962: 5, 24. Caroline Is.
pretiosa Selys, 1877: 43, 116. Papua
prothoracica Selys, 1877: 43, 117. New Guinea
pulverulenta Ris, 1915: 13, 104. New Guinea
rajah Laidlaw, 1912: 63, 97. Malaya/E. Indies
(= *leonorae*)
raees Needham & Gyger, 1941: 74, 149. Mindanao
recurva Selys, 1877: 43, 114. Mindanao
rubricauda Lieftinck, 1974: 3, 130. Palawan
ruficollis Selys, 1877: 43, 119. Malaya
rufithorax Selys, 1877: 43, 122. Moluccas - Australia
samaritis Ris, 1915: 13, 103. Philippines
scintillans Lieftinck, 1932: 15, 96. New Guinea
serena Lieftinck, 1932: 15, 98. New Guinea
(has ssp. *humeralis*)

- 1.4.1.6.21. *stigmatizans* Lieftinck, 1938: 2, 109. New Guinea
strigosa Needham & Gyger, 1939: 70, 304. Luzon
suavis Lieftinck, 1953: 22, 244. Borneo
* *superba* Selys, 1877: 43, 112, (Telebasis). E. Indies
(= *eximia* Selys; = *gracillima* Fraser)
tenuis Martin, 1897: 66, 594. Celebes
wallacei Campion 1924: 14, 613. New Guinea
- 1.4.1.6.22. *Telagrion* Selys, 1876
cornicauda Calvert, 1909: 6, 199. Brasil
diceras Selys, 1877: 43, 99. Brasil
fulvellum Selys, 1876: 42, 968. Amazonia
* *longum* Selys, 1876: 42, 970. Brasil
(= *sooretamae*; = *tenax* ?)
macilentum Rambur, 1842: 259. Brasil
maurei Santos, 1970: 12, 25. Brasil
oreas Ris, 1916: 82, 136. Colombia
quadricolor Ris, 1916: 82, 136. Peru
raineyi Williamson, 1915: 48, 613. Trinidad
sooretamae Santos, 1957: 17, 143.
(syn. *longum*)
tenax St. Quentin, 1960: 2, 53.
(syn. *longum* ?)
- 1.4.1.6.23. *Telebasis* Selys, 1865 (blue relatives, *Aeolagrion*)
(= *Erythrargrion* Selys, 1876)
aureipennis Jurzitza, 1980: 9, 185. Argentina
boucardi Selys, 1869: 11, 70.
(syn. *salva*)
byersi Westfall, 1957: 40, 20. N. America
carmesina Calvert, 1909: 6, 191. Brasil
carminita Calvert, 1909: 6, 194. Brasil
carota Kennedy, 1936: 29, 807. Ecuador
coccinata Calvert, 1909: 6, 193. Brasil
coccinea Selys, 1876: 42, 965. Brasil
collopiastes Calvert, 1902: 116. Mexico
coralina Selys, 1876: 42, 964. Brasil
digiticollis Calvert, 1902: 118. Mexico
dominicana Selys, 1857: 466. W. Indies
erythrina Selys, 1876: 42, 961. Brasil
filiola Perty, 1834: 125. Brasil
flammeola Kennedy, 1936: 29, 804. Ecuador
fluviatilis St. Quentin, 1960: 2, 50. Brasil

- 1.4.1.6.23. *garleppi* Ris, 1918: 82, 129. Costa Rica
griffini Martin, 1896: 240. Panama
incolumis Williamson & Williamson, 1930: 216, 1. Mexico
isthmica Calvert, 1902: 118. Panama
livida Kennedy, 1936: 29, 811. Ecuador
paraensei Machado, 1956: 16, 227. Brasil
* *salva* Hagen, 1861: 85, (Agrion). C.America
(= *boucardi* Selys)
sanguinalis Calvert, 1909: 6, 192. Brasil
theodori Navas, 1934: 31, 182. Brasil
versicolor Fraser, 1946: 96, 42. Colombia
vulnerata Hagen, 1861: 86. Puerto Rico
willinki Fraser, 1948: 5, 54. Argentina
- 1.4.1.6.24. *Xanthagrion* Selys, 1876
erythroneurum Selys, 1876: 42, 521. Australia
- 1.4.1.6.25. *Xanthocnemis* Tillyard, 1913
antipoda Selys, 1876: 42, 524. New Zealand
(syn. *zealandica* McLachlan)
sobrina McLachlan, 1873: 12, 36. New Zealand
tuanui Rowe, 1981: 18, 205. New Zealand
* *zealandica* McLachlan, 1873: 12, 35, (*Xanthagrion*). New Zealand
(= *antipoda*)
- 1.4.2. *Isostictidae*. Slim species with very narrow wings; CuP usually reduced to 1-2 cells; anal vein not visible. Larva with saccoid triquetral nodate gills.
- 1.4.2.1.1. *Austrosticta* Tillyard, 1908
* *fieldi* Tillyard, 1908: 32, 765. N.Australia
soror Sjoestedt, 1917: 11, 29. N.Australia
- 1.4.2.1.2. *Eurysticta* Watson, 1969
coolawanyah Watson, 1969: 17, 83. W.Australia
- 1.4.2.1.3. *Isosticta* Selys, 1885
banksi Tillyard, 1913: 37, 433. E. & N.Australia
gracilior Lieftinck, 1975: 9, 32. New Caledonia
handschini Lieftinck, 1933: 40, 417. N.Australia
humilior Lieftinck, 1975: 9, 149. New Caledonia
robustior Ris, 1915: 2, 66. New Caledonia
simplex Martin, 1901: 14, 244. E.Australia
* *spinipes* Selys, 1885: 29, 145. New Caledonia
tillyardi Campion, 1921: 8, 38. New Caledonia
- 1.4.2.1.4. *Neosticta* Tillyard, 1913
(incl. *Amphisticta* Sjoestedt, 1917)

- 1.4.2.1.4. * *canescens* Tillyard, 1913: 37, 435. E. Australia
(has form *dorrigoensis*)
dorrigoensis Tillyard, 1913: 37, 435. N.S. Wales
(form of *canescens*)
silvarum Sjoestedt, 1917: 11, 32. Queensland
- 1.4.2.1.5. *Oristicta* Tillyard, 1913
(incl. *Phasmosticta* Lieftinck, 1951)
* *fillicicola* Tillyard, 1913: 37, 438. Queensland
interposita Lieftinck, 1951: 1488, 22. Queensland
vallisi Fraser, 1955: 91, 227. E. Australia
- 1.4.2.1.6. *Selysioneura* Foerster, 1900
aglaia Lieftinck, 1953: 21, 646. Morotai
arboricola Lieftinck, 1959: 10, 286. d'Entrecasteaux Is.
bacillus Ris, 1916: 13, 93. New Guinea
capreola Lieftinck, 1932: 15, 61. New Guinea
* *cervicornu* Foerster, 1900: 23, 106. New Guinea
cornelia Lieftinck, 1953: 21, 647. New Guinea
drymobia Lieftinck, 1959: 10, 284. Louiseade Archipelago
phasma Lieftinck, 1932: 15, 63. New Guinea
ranatra Lieftinck, 1949: 5, 78. New Guinea
rangifera Lieftinck, 1959: 10, 290. d'Entrecasteaux Is.
raphia Lieftinck, 1959: 10, 288. d'Entrecasteaux Is.
stenomantis Lieftinck, 1932: 15, 65. New Guinea
thalia Lieftinck, 1953: 21, 642. Halmahera
umbratilis Lieftinck, 1932: 15, 67. New Guinea
venilia Lieftinck, 1953: 21, 651. New Guinea
virgula Lieftinck, 1959: 10, 282. Woodlark Is.
- 1.4.2.1.7. *Tanymetosticta* Lieftinck, 1935
(= *Stenosticta* Lieftinck, 1932)
capillaris Lieftinck, 1959: 10, 294. Tanimbor Is.
filiformis Ris, 1898: 24, 325. Bismarck Archipelago
* *fissicollis* Lieftinck, 1932: 15, 71, (*Stenosticta*). New Guinea
jejuna Lieftinck, 1959: 10, 295. New Guinea
simonae Lieftinck, 1969: 16, 208. Kei Is.
leptalea Lieftinck, 1959: 10, 299. Woodlark Is.
- 1.4.3. Platycnemididae. Small to medium sized Zygoptera. Anal vein and CuP present; Dc 2-3 times longer than wide, ant. & post. sides subequal; MA and IRiii run straight; pterostigma subtended by one cell. Old World only.
- 1.4.3.1. Callicnemidinae. Lower distal corner of Dc acute; anal vein reaches 4-6 cells beyond origin of Riii. Tibia in males not dilated.

- 1.4.3.1.1. *Allocnemis* Selys, 1863
 * *leucosticta* Selys, 1863: 16, 30. Africa
 mitwabae Pinhey, 1960: 96, 258. Congo
- 1.4.3.1.2. *Arabicnemis* Waterston, 1984
 caerulea Waterston, 1984: 13, 139. Arabia
- 1.4.3.1.3. *Asthenocnemis* Lieftinck, 1949
 stephanodera Lieftinck, 1949: 5, 90. Palawan
- 1.4.3.1.4. *Calicnemis* Strand, 1926
 atkinsoni Selys, 1886: 38, 131.
 (syn. *eximia*)
 atkinsoni Selys, 1891: 10, 503.
 (syn. *miles*)
 chaseni Laidlaw, 1928: 136. Pahang
 erythromelas Selys, 1892: 10, 505. Burma
 eximia Selys, 1863: 16, 160. India
 (= *atkinsoni* Selys, 1886)
 imitans Lieftinck, 1948: 41, 12. Burma
 maheshi Sahni, 1964: 13, 82. India
 miles Laidlaw, 1917: 13, 330. Burma
 (= *atkinsoni* Selys, 1891)
 * *miniata* Selys, 1866: 38, 132, (*Calicnemis*). India
 mortoni Laidlaw, 1917: 13, 326. Sikkim
 mukherjeei Lahiri, 1976: 5, 273. India
 nipalica Kimmins, 1958: 7, 350. Nepal
 pulverulans Selys, 1886: 38, 133. India
 rectangulata Laidlaw, 1932: 7, 97. Pahang
- 1.4.3.1.5. *Coeliccia* Kirby, 1890
 (= *Trichocnemis* Selys, 1857)
 albicauda Foerster, 1907: 4/2, 5.
 (= *borneensis* Laidlaw) Borneo
 amarii Asahina, 1962: 5, 4.
 (ssp. of *ryukyuensis*)
 arcuata Lieftinck, 1940: 17, 353. Borneo
 axinocerca Lieftinck, 1974: 3, 122. Balabac Is.
 bimaculata Laidlaw, 1914: 8, 341. Assam
 borneensis Laidlaw, 1907: 4, 6. Borneo
 (syn. *albicauda*)
 borneensis Selys, 1886: 38, 116. Borneo
 boettcheri Schmidt, 1951: 41, 202. Philippines
 brachysticta Ris, 1912: 1, 63. Philippines
 campioni Laidlaw, 1917: 224. Borneo
 chromothorax Selys, 1892: 2, 502. Burma
 coomansi Lieftinck, 1940: 17, 355. Borneo
 cyaneothorax Kimmins, 1936: 18, 89. Borneo

- 1.4.3.1.5. cyanomelas Ris, 1912: 1, 66. E.Asia
- didyma Selys, 1863: 16, 158. India to Malaya
(= octogesima)
- dierli St.Quentin, 1970: 3, 393. Nepal
- dinoceras Laidlaw, 1925: 28, 562. Philippines
- dorothea Fraser, 1933: 36, 466. India
- erici Laidlaw, 1917: 13, 334. S.Asia
- exoleta Lieftinck, 1961: 42, 140. Philippines
- flavicauda Ris, 1912: 1, 64. Formosa
(has ssp. masakii)
- flavostriata Laidlaw, 1917: 223. Borneo
- fraseri Laidlaw, 1932: 34, 14. Assam
- hainanensis Laidlaw, 1932: 34, 23. Hainan
(ssp. of scutellum)
- kumaonensis Singh & Baijal, 1954: 3, 398. India
- lieftincki Laidlaw, 1932: 34, 32. Java
- loogali Laidlaw, 1932: 34, 26. Burma
- loringae Laidlaw, 1932: 34, 26. Burma
- macrostigma Laidlaw, 1917: 225. Borneo
- masakii Asahina, 1951: 19, 17. Ryukyu Is.
(ssp. of flavicauda)
- * membranipes Rambur, 1842: 240, (Platycnemis).E.Asia/E.Indies
(= silenta; has ssp. nemoricola & nereis)
- montana Fraser, 1933: 9, 116. Laos
- nemoricola Laidlaw, 1912: 63, 92. Borneo
(ssp. of membranipes)
- nereis Lieftinck, 1948: 19, 287. Engano Is.
(ssp. of membranipes)
- nigrescens Laidlaw, 1931: 16, 196. Siam
- nigrohamata Laidlaw, 1917: 228. Borneo
- octogesima Laidlaw, 1907: 4, 2.
(syn. didyma)
- octogesima Selys, 1863: 16, 157. S.E.Asia
- palawana Lieftinck, 1940: 17, 368. Palawan
- poungyi Fraser, 1924: 30, 52. Burma
- pyriformis Laidlaw, 1932: 34, 26. China
- renifera Selys, 1886: 38, 119. India
- resecta Lieftinck, 1953: 22, 236. Borneo
- ryukyuensis Asahina, 1951: 19, 16. Ryukyu Is.
(has ssp. amamii)
- scutellum Laidlaw, 1932: 34, 22. China
(has ssp. hainanensis)
- silenta Selys, 1863: 16, 157.
(syn. membranipes)

- 1.4.3.1.5. *simillima* Laidlaw, 1917: 13, 334. India
svihleri Asahina, 1970: 16, 105. Assam
vacca Laidlaw, 1932: 34, 15. Assam
wernerii Lieftinck, 1961: 42, 137. Philippines
- 1.4.3.1.6. *Cyanocnemis* Lieftinck, 1949
aureofrons Lieftinck, 1949: 5, 107. New Guinea
- 1.4.3.1.7. *Idiocnemis* Selys, 1878
bidentata Selys, 1878: 3, 321. New Guinea
bidentata Foerster, 1898: 21, 298.
(syn. *inaequidens*)
chloropleura Lieftinck, 1932: 15, 18.
(syn. *inornata*)
dagnyae Lieftinck, 1958: 9, 258. New Guinea
fissidens Lieftinck, 1958: 9, 260. New Guinea
huonensis Lieftinck, 1958: 9, 267. New Guinea
inaequidens Lieftinck, 1932: 15, 19. New Guinea
(= *bidentata* Foerster)
* *inornata* Selys, 1878: 3, 321. New Guinea
(= *chloropleura*)
kimminsi Lieftinck, 1958: 9, 270. New Guinea
leonardi Lieftinck, 1958: 9, 275. New Guinea
leonorae Lieftinck, 1949: 5, 95. New Guinea
louisiadensis Lieftinck, 1958: 9, 274. New Guinea
mertoni Ris, 1913: 34, 507. Aru/New Guinea
nigriventris Lieftinck, 1937: 1, 290. New Guinea
obliterata Lieftinck, 1932: 15, 15. New Guinea
pruinescens Lieftinck, 1949: 5, 96. New Guinea
strumidens Lieftinck, 1958: 9, 261. New Guinea
sufficiens Lieftinck, 1958: 9, 274. New Guinea
(ssp. of *zebrina*)
zebrina Lieftinck, 1958: 9, 272. New Guinea
(has ssp. *sufficiens*)
- 1.4.3.1.8. *Indocnemis* Laidlaw, 1917
kempi Laidlaw, 1917: 13, 326. India
(syn. *orang*)
orang Foerster, 1907: 4, 2. S.E. Asia
(= *kempi*)
- 1.4.3.1.9. *Leptocnemis* Selys, 1886
(= *Hemicnemis* Selys, 1882)
bilineata Selys, 1869: 12, 28.
(syn. *cyanops*)
cyanops Selys, 1869: 12, 28; (*Trichocnemis*). Seychelles
(= *bilineata*)

- 1.4.3.1.10. *Lieftinckia* Kimmins, 1957
 kimminsi Lieftinck, 1963: 21, 537. Solomon Is.
 lairdi Lieftinck, 1963: 21, 534. Solomon Is.
 * *salomonis* Kimmins, 1957: 5, 314. Guadalcanal
- 1.4.3.1.11. *Lochmaeocnemis* Lieftinck, 1949
 malacodora Lieftinck, 1949: 5, 100. New Guinea
- 1.4.3.1.12. *Mesocnemis* Karsch, 1891
 pruinosa Fraser, 1928: 76, 129.
 (syn. *singularis*)
 robusta Selys, 1886: 38, 135. Nile System
 * *singularis* Karsch, 1891: 17, 67. W.Africa
 (= *pruinosa*)
- 1.4.3.1.13. *Metacnemis* Selys, 1863
 angusta Selys, 1863: 16, 162. S.Africa
 dupuyi Legrand, 1982: 11, 153. W.Africa
 secundaris Aguesse, 1968: 4, 656. Madagascar
 * *valida* Hagen in Selys, 1863: 16, 161. S.Africa
- 1.4.3.1.14. *Oreocnemis* Pinhey, 1971
 phoenix Pinhey, 1971: 5, 1. Malawi
- 1.4.3.1.15. *Paracnemis* Martin, 1902
 (= *Ciliagrion* Sjoestedt, 1917)
 * *alluaudi* Martin, 1903: 8, 509. Madagascar
 (= *madagascariensis*)
 madagascariensis Sjoestedt, 1917: 13, 6.
 (syn. *alluaudi*)
- 1.4.3.1.16. *Paramecocnemis* Lieftinck, 1932
 * *erythro stigma* Lieftinck, 1932: 15, 22. New Guinea
 stillacruoris Lieftinck, 1956: 7, 254. New Guinea
- 1.4.3.1.17. *Rhyacocnemis* Lieftinck, 1956
 sufficiens Lieftinck, 1956: 7, 251. d'Entrecasteaux Is.
- 1.4.3.1.18. *Risioecnemis* Cowley, 1934
 (= *Prionocnemis* Selys, 1886)
 appendiculata Brauer, 1868: 18, 548. Mindanao
 atripes Needhan & Gyger, 1941: 41, 146. Mindanao
 atropurpurea Brauer, 1868: 18, 549. Manila
 cornuta Brauer, 1868: 18, 548. Philippines
 erythrura Brauer, 1868: 18, 550. Philippines
 flammea Selys, 1882: 11, 28. Luzon
 haematopus Selys, 1882: 11, 27. Mindanao
 (= *reflexa*)
 ignea Brauer, 1868: 18, 547. Luzon
 incisa Kimmins, 1936: 18, 91. Philippines

- 1.4.3.1.18. *reflexa* Kimmins, 1936: 18, 92.
(syn. *haematopus*)
rubripes Needham & Gyger, 1939: 70, 275. Mindanao
* *serrata* Hagen in Selys, 1886: 38, 223, (*Hypocnemis*). Luzon
tendipes Needham & Gyger, 1941: 41, 147. Mindanao
- 1.4.3.1.19. *Stenocnemis* Karsch, 1899
pachystigma Selys, 1886: 38, 138, (*Alloccnemis*). W.Africa
- 1.4.3.1.20. *Thaumatagrion* Lieftinck, 1932
funereum Lieftinck, 1932: 15, 26. New Guinea
- 1.4.3.1.21. *Torrenticnemis* Lieftinck, 1949
filicornis Lieftinck, 1949: 5, 104. New Guinea
- 1.4.3.2. *Platycnemidinae*. Lower distal corner of Dc not acute; anal vein reaches level of origin of Riii. Tibia of male dilated.
- 1.4.3.2.1. *Copera* Kirby, 1890
(= *Psilocnemis* Selys, 1863)
- acutimargo* Krueger, 1898: 59, 103. S.E.Asia
(ssp. of *vittata*)
- annulata* Selys, 1863: 16, 172. Asia
(= *ciliata*; = *subannulata*;
has ssp. *stevensi*)
- assamensis* Laidlaw, 1914: 8, 342. Assam
(ssp. of *vittata*)
- atomaria* Laidlaw, 1902: 368
(syn. *vittata acutimargo*)
- atomaria* Selys, 1886: 38, 122. Labuan
- ciliata* Selys, 1863: 16, 173.
(syn. *annulata*)
- deccanensis* Laidlaw, 1917: 13, 338. India
(ssp. of *vittata*)
- imbricata* Selys, 1863: 16, 171. Sumatra
(= *lobimargo*)
- javana* Lieftinck, 1940: 17, 298. Java
(ssp. of *vittata*)
- lacteola* Selys, 1863: 16, 167.
(syn. *marginipes*)
- lobimargo* Krueger, 1898: 59, 103.
(syn. *imbricata*)
- * *marginipes* Rambur, 1842: 240, (*Platycnemis*; *Psilocnemis*). S.E.Asia
(= *lacteola*; = *striatipes*)
- palawana* Lieftinck, 1940: 17, 303. Palawan
(ssp. of *vittata*)
- rubripes* Navas, 1934: 2, 5. China
- serapica* Selys, 1863: 16, 171. Nicobar
(ssp. of *vittata*)
- stevensi* Laidlaw, 1914: 8, 341. Assam
(ssp. of *annulata*)

- 1.4.3.2.1. *striatipes* Selys, 1863: 16, 169.
(syn. *marginipes*)
- subannulata* Selys, 1886: 38, 125.
(syn. *annulata*)
- superplatypes* Fraser, 1927: 29, 88. India
- tokyoensis* Asahina, 1948: 18, 103. Japan
- trotteri* Fraser, 1922: 4, 237. Siam
- vittata* Selys, 1863: 16, 170. S.E.Asia
(has ssp. *acutimargo* [= *atomaria* Laidlaw]; *assamensis*;
deccanensis; *javana*; *palawana* & *serapica*)
- 1.4.3.2.2. *Platycnemis* Charpentier, 1840
(incl. *Platyscelus* Wallengren, 1894 &
Proplatycnemis Kennedy, 1920)
- acutipennis* Selys, 1841: 246. W.Mediterranean
(= *algira*; = *diversa*)
- agrioides* Ris, 1915: 4, 138. Madagascar
- alatipes* McLachlan, 1892: 9, 1. Madagascar
- albidella* Villers, 1789: 3, 15.
(syn. *pennipes*)
- algira* Kolbe, 1885: 29, 154.
(syn. *acutipennis*)
- aurantipes* Lieftinck, 1965: 76, 248. Madagascar
- bilineata* Bartenef, 1909: 11, 9. Sikok
- dealbata* Selys, 1863: 16, 167. W.Asia
- diversa* Rambur, 1842: 243.
(syn. *acutipennis*)
- congolensis* Martin, 1908: 43, 664. W.Africa
- echigoana* Asahina, 1955: 4, 101. Japan
- escherichi* Schmidt, 1951: 41, 224. Cameroons
- flavipes* Navas, 1924: 18, 12. E.Africa
- foliacea* Selys, 1886: 30, 183. E.Asia
(has ssp. *sasakii*)
- foliosa* Navas, 1932: 8, 9. China
- guttifera* Fraser, 1950: 12, 615. Liberia
- hova* (Selys) Martin, 1908: 43, 665. Madagascar
- hummeli* Sjoestedt, 1933: 25, 19.
(syn. *phyllopoda*)
- hyalinata* Brulle, 1832: 2, 106.
(syn. *pennipes nitidula*)
- insularis* Selys, 1863: 16, 166.
(syn. *pennipes nitidula*)
- kervillei* Martin, 1909: 214. S.W.Asia
- lactea* Charpentier, 1825: 11.
(form of *pennipes*)

- 1.4.3.2.2. *latipes* Rambur, 1842: 242. S. Europe
longiventris Schmidt, 1951: 6, 194. Madagascar
malgassica Schmidt, 1951: 6, 180. Madagascar
mauriciana Selys, 1863: 16, 167. Mauritius
nitidula Brulle, 1832: 2, 105.
 (ssp. of *pennipes*, [= *hyalinata*; = *insularis*])
nyansana Foerster, 1916: 1, 25. Africa
oedipus Eichwald, 1829: 1, 223. Transcaucasia
pallida Aguesse, 1968: 4, 655. Madagascar
 (ssp. of *pseudolatipes*)
pecchioli Selys, 1863: 16, 166.
 (syn. *pennipes* ?)
 * *pennipes* Pallas, 1771: 1, 469, (*Libellula*). Eurasia
 (= *albidella*; = *pecchioli* ?; = *platypoda*;
 has ssp. *nitidula* [= *hyalinata*; = *insularis*]
 has form *lactea*)
phyllopoda Djakonov, 1926: 20, 231. E. Asia
 (= *hummeli*; = *ulmifolia*)
pierrati Navas, 1935: 2, 91. China
platypoda Vanderlinden, 1823: 4, 102.
 (syn. *pennipes*)
protostictoides Fraser, 1953: 5, 165. Madagascar
pseudolatipes Schmidt, 1951: 6, 186. Madagascar
 (has ssp. *pallida*)
rufipes Selys, 1886: 38, 139. W. Africa
sanguinipes Schmidt, 1951: 6, 190. Madagascar
sasakii Asahina, 1949: 17, 28. Japan
 (ssp. of *foliacea*)
sikassoensis Martin, 1912: 42, 198. Mali
 (= *subequistyla*)
subdilata Selys, 1849: 3, 132. Algeria
subaequistyla Fraser, 1928: 76, 127.
 (syn. *sikassoensis*)
syriaca Hagen, 1850: 389. Syria
ulmifolia Ris, 1930: 21, 26.
 (syn. *phyllopoda*)
xanthopus Navas, 1924: 18, 13. E. Africa

1.4.4. Platystictidae. Small to medium sized Zygoptera. Anal vein absent or reduced; cross vein joins CuP with border of wing; Dc obtuse apically, sub-Dc contiguous with posterior border of wing. Pterostigma wide with extended inner angle.

1.4.4.1. Palaemnematinae. IRII & RIII arising midway between subnodus and stigma; CuP extending over halfway along posterior border of wing. Pterostigma subtending one or slightly over one cell. New World only.

1.4.4.1.1. *Palaemnema* Selys, 1860

abbreviata Kennedy, 1938: <u>31</u> , 256.	Ecuador
angelina Selys, 1860: <u>10</u> , 435.	Guatemala
apicalis Navas, 1924: <u>18</u> , 14.	Colombia
azupizui Calvert, 1931: <u>57</u> , 78.	Peru
brucei Calvert, 1931: <u>57</u> , 75.	Panama
brucei Kennedy, 1938: <u>31</u> , 260	Ecuador
carmelita Ris, 1916: <u>82</u> , 100.	Colombia
chiriquita Calvert, 1931: <u>57</u> , 100.	Costa Rica
clementia Selys, 1886: <u>38</u> , 148.	Venezuela
croceicauda Calvert, 1931: <u>57</u> , 96.	Colombia
desiderata Selys, 1886: <u>38</u> , 146.	Mexico
distadens Calvert, 1931: <u>57</u> , 35.	Costa Rica
domina Calvert, 1903: 137.	Mexico
edmondi Calvert, 1931: <u>57</u> , 99.	Colombia
gigantula Calvert, 1931: <u>57</u> , 72.	Costa Rica
joanetta Kennedy, 1940: <u>33</u> , 626.	Panama
lorena Kennedy, 1942: <u>35</u> , 97.	Ecuador
martini Cowley, 1934: <u>3</u> , 201.	Peru
melanocauda Kennedy, 1942: <u>35</u> , 100.	Ecuador
melanostigma Hagen in Selys, 1860: <u>10</u> , 436.	Venezuela
melanota Ris, 1916: <u>82</u> , 99.	Costa Rica
mutans Calvert, 1931: <u>57</u> , 63.	Venezuela
nathalia Selys, 1886: <u>38</u> , 147.	Panama
paulicaxa Calvert, 1931: <u>57</u> , 54.	Mexico
paulicoba Calvert, 1931: <u>57</u> , 45.	Mexico
* paulina Drury, 1773: <u>46</u> , 4, (Libellula).	Honduras
paulirica Calvert, 1931: <u>57</u> , 32.	Costa Rica
paulitaba Calvert, 1931: <u>57</u> , 56.	Mexico
paulitoyaca Calvert, 1931: <u>57</u> , 47.	Mexico
peruviana Ris, 1916: <u>82</u> , 79.	Peru
plicicaudata Kennedy, 1938: <u>31</u> , 253.	Ecuador
reventazoni Calvert, 1931: <u>57</u> , 85.	Costa Rica

1.4.4.2. *Platystictinae*. IRii & Riia arising nearer subnodus than to stigma;
CuP ending at or before halfway along posterior border of wing. Pterostigma subtending from one to five cells.

1.4.4.2.1. *Drepanosticta* Laidlaw, 1917
(incl. *Ceylonosticta* Fraser, 1931)

actaeon Laidlaw, 1934: <u>17</u> , 558.	Borneo
adami Fraser, 1933: <u>17</u> , 211.	Ceylon

1.4.4.2.1.	<i>anascephala</i> Fraser, 1933: <u>9</u> , 114.	Laos
	<i>annandalei</i> Fraser, 1924: <u>26</u> , 412.	Andaman Is.
	<i>annulata</i> Selys, 1886: <u>38</u> , 156.	Luzon
	<i>arcuata</i> Lieftinck, 1934: <u>14</u> , 469. (= <i>kruegeri</i> Ris; = <i>sundana</i>)	Sumatra
	<i>aries</i> Needham & Gyger, 1941: <u>74</u> , 144.	Mindanao
	<i>attala</i> Lieftinck, 1934: <u>14</u> , 472.	Borneo
	<i>auriculata</i> Selys, 1878: <u>3</u> , 322.	New Guinea
	<i>auriculata</i> Ris, 1929: <u>7</u> , 141. (syn. <i>moluccana</i>)	
	<i>austeni</i> Lieftinck, 1940: <u>22</u> , 89.	Ceylon
	<i>barbatula</i> Lieftinck, 1940: <u>17</u> , 351	Borneo
	<i>bartelsi</i> Lieftinck, 1937: <u>16</u> , 70.	Java
	<i>berlandi</i> Lieftinck, 1939: <u>6</u> , 145.	Lombok
	<i>bicornuta</i> Selys, 1878: <u>3</u> , 322.	New Guinea
	<i>bispina</i> Fraser, 1932: <u>4</u> , 5.	Sumatra
	<i>brinki</i> Lieftinck, 1970: <u>1</u> , 190.	Sri Lanka
	<i>brownelli</i> Tinkham, 1938: <u>17</u> , 17.	China
	* <i>carmichaeli</i> Laidlaw, 1915: <u>11</u> , 390, (Protosticta).	India
	<i>ceratophora</i> Lieftinck, 1974: <u>3</u> , 117.	Palawan
	<i>claaseni</i> Lieftinck, 1938: <u>2</u> , 80.	New Guinea
	<i>clavata</i> Lieftinck, 1932: <u>15</u> , 31.	New Guinea
	<i>conica</i> Martin, 1909: <u>60</u> , 204.	New Guinea
	<i>crenitis</i> Lieftinck, 1933: <u>11</u> , 288.	Borneo
	<i>dendrolagina</i> Lieftinck, 1938: <u>2</u> , 83.	New Guinea
	<i>dentifera</i> Kimmins, 1936: <u>18</u> , 101.	Borneo
	<i>digna</i> Selys, 1860: <u>2</u> , 440.	Ceylon
	<i>dorcadion</i> Lieftinck, 1949: <u>5</u> , 59.	New Guinea
	<i>drusilla</i> Lieftinck, 1934: <u>14</u> , 474.	Borneo
	<i>dulitensis</i> Kimmins, 1936: <u>18</u> , 98.	Borneo
	<i>dupophila</i> Lieftinck, 1933: <u>11</u> , 286.	Borneo
	<i>ephippiata</i> Lieftinck, 1937: <u>16</u> , 72.	Celebes
	<i>eucera</i> Lieftinck, 1949: <u>5</u> , 56.	New Guinea
	<i>exoleta</i> Lieftinck, 1932: <u>15</u> , 33.	New Guinea
	<i>floresiana</i> Lieftinck, 1939: <u>6</u> , 147.	Flores
	<i>fontinalis</i> Lieftinck, 1937: <u>16</u> , 64. (has form <i>wheeleri</i>)	Malaya
	<i>forficula</i> Kimmins, 1936: <u>18</u> , 100.	Borneo
	<i>fraseri</i> Lieftinck, 1955: <u>34</u> , 70.	Ceylon
	<i>gazella</i> Lieftinck, 1929: <u>72</u> , 110.	Java

1.4.4.2.1.	halterata Brauer, 1868: <u>18</u> , 551.	Luzon
	hamadryas Laidlaw, 1931: <u>16</u> , 187.	Malaya
	hilaris Selys, 1860: <u>2</u> , 438.	Ceylon
	inconspicua Lieftinck, 1938: <u>2</u> , 85.	New Guinea
	inversa Lieftinck, 1949: <u>5</u> , 55.	New Guinea
	kruegeri Ris, 1927: <u>10</u> , 19. (syn. arcuata)	
	kruegeri Laidlaw, 1926: <u>4</u> , 218.	Mentawi Is.
	lankanensis Fraser, 1931: <u>35</u> , 335.	Ceylon
	lepyricollis Lieftinck, 1949: <u>5</u> , 57.	New Guinea
	lestoides Brauer, 1868: <u>18</u> , 552.	Mindanao
	lymetta Cowley, 1936: <u>85</u> , 161.	Mindanao
	marsyas Lieftinck, 1965: <u>40</u> , 178.	Malaya
	megametta Cowley, 1936: <u>85</u> , 163.	Mindanao
	moluccana Lieftinck, 1938: <u>2</u> , 82. (= auriculata Ris)	Buru
	montana Selys, 1860: <u>2</u> , 438.	Ceylon
	mylitta Cowley, 1936: <u>85</u> , 160.	Samor Is.
	nietneri Fraser, 1931: <u>35</u> , 334.	Ceylon
	palauensis Lieftinck, 1962: <u>5</u> , 14.	Palau Is.
	pan Laidlaw, 1931: <u>16</u> , 185.	Perak
	philippa Lieftinck, 1961: <u>42</u> , 132.	Luzon
	polychromatica Fraser, 1931: <u>35</u> , 338.	N.India
	pytho Lieftinck, 1937: <u>16</u> , 68.	Sumatra
	quadrata Selys, 1860: <u>2</u> , 441.	Malaya
	robusta Fraser, 1926: <u>8</u> , 491.	Kei Is.
	rufostigma Selys, 1886: <u>38</u> , 155.	Borneo
	septima Needham & Gyger, 1939: <u>70</u> , 264.	Samor Is
	sharpi Laidlaw, 1907: <u>2</u> , 10.	Malaya
	siebersi Fraser, 1926: <u>8</u> , 490.	Java
	silenus Laidlaw, 1934: <u>17</u> , 557.	Perak
	sinhalensis Lieftinck, 1970: <u>1</u> , 191.	Sri Lanka
	spathulifera Lieftinck, 1929: <u>12</u> , 112.	Java
	starmuehlneri St.Quentin, 1972: <u>23</u> , 137.	Sri Lanka
	submontana Fraser, 1933: <u>17</u> , 214.	Ceylon
	subtropica Fraser, 1933: <u>3</u> , 209.	Ceylon
	sundana Krueger, 1898: <u>59</u> , 107. (syn. arcuata)	Java
	taurus Needham & Gyger, 1941: <u>74</u> , 145.	Philippines
	tenella Lieftinck, 1935: <u>92</u> , 7.	Sumatra

- 1.4.4.2.1. *trimaculata* Lieftinck, 1939: 6, 149. Philippines
tropica Selys, 1860: 10, 438. Ceylon
viridis Fraser, 1922: 7, 39. Burma
walli Fraser, 1931: 35, 335. Ceylon
wheeleri Fraser, 1942: 11, 96. Malaya
(form of *fontinalis*)
- 1.4.4.2.2. *Platysticta* Selys, 1870
apicalis Kirby, 1894: 24, 561. Ceylon
deccanensis Laidlaw, 1915: 11, 388. Indochina
(ssp. of *maculata*)
greeni Kirby, 1891: 204.
(syn. *maculata*)
* *maculata* Selys, 1860: 10, 437, (*Disparoneura*). Ceylon
(= *greeni*; has ssp. *deccanensis*)
- 1.4.4.2.3. *Protosticta* Selys, 1885
annulata Fraser, 1926: 8, 492.
(syn. *simplicinervis*)
antelopoides Fraser, 1931: 33, 467. India
bivittata Lieftinck, 1939: 6, 151. Celebes
cerinostigma Fraser, 1924: 26, 499
(form of *sanguinostigma*)
curiosa Fraser, 1934: 3, 134. Burma
davenporti Fraser, 1931: 35, 70. India
feronia Lieftinck, 1933: 11, 281. Borneo
foersteri Laidlaw, 1902: 11, 383 Perak
fraseri Kennedy, 1936: 5, 67. Assam
gracilis Kirby, 1889: 502. Celebes
gravelyi Laidlaw, 1915: 11, 389. India
(= *mortoni*; = *stevensi*)
hearseyi Fraser, 1922: 24, 5. India
himalaica Laidlaw, 1917: 13, 342. N.India
(= *lindgreni*)
kinabaluensis Laidlaw, 1915: 37. Borneo
lindgreni Fraser, 1920: 27, 150.
(syn. *himalaica*)
medusa Fraser, 1934: 3, 135. Burma
mortoni Fraser, 1924: 26, 500.
(syn. *gravelyi*)
robusta Fraser, 1933: 9, 111. Laos
rufostigma Kimmins, 1958: 7, 349. India
sanguinostigma Fraser, 1922: 24, 6. India
(has form *cerinostigma*)
* *simplicinervis* Selys, 1885: 29, 145. Celebes
(= *annulata*)

- 1.4.4.2.3. *stevensi* Fraser, 1922: 24, 7.
(syn. *gravelyi*)
trilobata Fraser, 1933: 9, 112. Laos
uncata Fraser, 1931: 35, 75. Burma
versicolor Laidlaw, 1913: 78. Borneo
- 1.4.5. Protoneuridae. Small to medium sized Zygoptera. Abdomen frequently very long. Anal vein absent or reduced; CuP present or reduced, no cross vein in cubital-anal space at base of wing, Dc a long regular rectangle, at least 3 times as long as wide, sub Dc contiguous with posterior border of wing. Pterostigma short, trapezoidal.
- 1.4.5.1. Caconeurinae. Relatively robust; CuP up to 10 or more cells distal to level of vein descending from subnodus. Old World forms.
- 1.4.5.1.1. *Caconeura* Kirby, 1890
(= *Alloneura* Selys, 1860;
= *Hypostrophoneura* Munz, 1919;
incl. *Indoneura* Laidlaw, 1917)
t-coerulea Fraser, 1933: 1, 256. India
(form of *ramburi*)
* *gomphoides* Rambur, 1842: 256, (Argia) India
longjingensis Zhou, 1981: 24, 61. China
obscura Fraser, 1933: 1, 257. India
ramburi Fraser, 1922: 24, 2. India
(has form *t-coerulea*)
risi Fraser, 1931: 33, 469. Malabar
- 1.4.5.1.2. *Esme* Fraser, 1922
* *cyaneovittata* Fraser, 1922: 7, 45. India
longistyla Fraser, 1931: 33, 471. S.India
mudiensis Fraser, 1931: 33, 472. India
- 1.4.5.1.3. *Melanoneura* Fraser, 1922
bilineata Fraser, 1922: 7, 55. India
- 1.4.5.1.4. *Phylloneura* Fraser, 1922
westermanni Selys, 1860: 10, 447, (*Alloneura*). India
- 1.4.5.2. Disparoneurinae. CuP extends several cells beyond vein descending from subnodus; male anal appendages trigger shaped in profile, triangular from above; anal vein reduced. Old World forms.
- 1.4.5.2.1. *Chlorocnemis* Selys, 1863
abbotti Calvert, 1892: 19, 164. E.Africa
(= *inepta*)
coeruleocauda Pinhey, 1969: 4, 252. C.Africa
(ssp. of *nigripes*)
contraria Schmidt, 1951: 41, 236. W.Africa
eisentrauti Pinhey, 1974: 25, 188. Cameroons

- 1.4.5.2.1. * *elongata* Selys, 1863: 16, 176. W.Africa
flavipennis Selys, 1863: 16, 176. W.Africa
gestroi Martin, 1908: 43, 653.
(syn. *nigripes*)
impedita Pinhey, 1969: 4, 241. Vumba
(form of *marshalli*)
inepta Gruenberg, 1902: 233.
(syn. *abbotti*)
interrupta Legrand, 1984: 13, 240. Gabon
lascellesi Pinhey, 1961: 14, 14.
(syn. *wittei*)
maccleeryi Pinhey, 1969: 4, 245. Malawi
(ssp. of *montana*)
marshalli Ris, 1921: 18, 291. Africa
(has form *impedita* and ssp. *superba*)
montana St.Quentin, 1942: 52, 108. E.Africa
(has ssp. *maccleeryi*)
nigripes Selys, 1886: 38, 141. W.Africa
(= *gestroi*; ≠ *oculata*; = *williamsoni*;
has ssp. *coeruleocauda* and form *semlikiensis*)
nubilipennis Karsch, 1893: 38, 37. Togo
(has ssp. *rossii*)
oculata Martin, 1907: 1, 428.
(syn. *nigripes*)
pauli Longfield, 1936: 85, 470. Uganda
rossii Pinhey, 1969: 4, 257. Sierra Leone
(ssp. of *nubilipennis*)
semlikiensis Pinhey, 1969: 4, 252 W.Uganda
(form of *nigripes*)
superba Schmidt, 1951: 41, 234. E.Africa
(ssp. of *marshalli*)
williamsoni Martin, 1921: 90, 96.
(syn. *nigripes*)
wittei Fraser, 1955: 38, 7. Congo
(= *lascellesi*)
- 1.4.5.2.2. *Disparoneura* Selys, 1860
(incl. *Chloroneura* Laidlaw, 1917)
apicalis Fraser, 1924: 26, 501. India
bhatnagri Sahní, 1965: 27, 209. India
canningi Fraser, 1922: 1. India
* *quadrimaculata* Rambur, 1842: 255, (Argia). India
ramajana Liefertinck, 1971: 1, 3. Sri Lanka
- 1.4.5.2.3. *Elatoneura* Cowley, 1935
acuta Kimmins, 1938: 1, 300. C. & W.Africa
(= *henrardi*; has ssp. *lindleyi*)

- 1.4.5.2.3. aethiopia Fraser, 1941: 10, 36.
(syn. pruinosa)
- alba Foerster, 1906: 59, 338.
(syn. glauca)
- analis Selys, 1860: 10, 451. Malaya
atkinsoni Selys, 1886: 38, 168. N. India
(= fletcheri)
- aurantiaca Selys, 1886: 38, 169. E. Indies
auricolor Fraser, 1927: 29, 90. Burma
(ssp. of dorsalis)
- balli Kimmins, 1938: 1, 296. W. Africa
- bigemmata Lieftinck, 1971: 1, 188. Sri Lanka
- cacharensis Fraser, 1933: 1, 244. Assam
(ssp. of campioni)
- caesia Selys, 1860: 10, 450. Ceylon
- campioni Fraser, 1922: 7, 43. India
(has ssp. cacharensis)
- centrafricana Lindley, 1976: 5, 153. C. Africa
- centralis Selys, 1860: 10, 449. Ceylon
(= mackwoodi; = oculata)
- coomansi Lieftinck, 1937: 16, 79. Borneo
- dorsalis Kimmins, 1938: 1, 299. W. Africa
(has ssp. auricolor)
- erythromma Lieftinck, 1953: 22, 383. Borneo
- fletcheri Fraser, 1919: 26, 876.
(syn. atkinsoni)
- frenulata Hagen, 1860: 10, 17. S. Africa
- girardi Legrand, 1980: 2, 155. W. Africa
- * glauca Selys, 1860: 10, 318, (Disparoneura). Africa
(= alba; = mutata; = simba)
- henrardi Fraser, 1954: 50, 271.
(syn. acuta)
- josemorai Compere Sart, 1964: 62, 21. W. Africa
- leucostigma Fraser, 1933: 17, 225. Ceylon
- lindleyi Legrand, 1980: 2, 155. C. Africa
(ssp. of acuta)
- longispina Lieftinck, 1937: 16, 76. Borneo
- mackwoodi Fraser, 1919: 26, 876.
(syn. centralis)
- mutata Selys, 1886: 38, 164.
(syn. glauca)
- nigerrima Laidlaw, 1917: 13, 346. India
- nigra Kimmins, 1938: 1, 297. C. & W. Africa
- oculata Kirby, 1894: 24, 562.
(syn. centralis)
- pasquinii Consiglio, 1978: 243, 32. Ethiopia
- pluotae Legrand, 1982: 11, 154. W. Africa

- 1.4.5.2.3. *pruinosa* Selys, 1886: 38, 166. W.Africa
 (= *aethiopia*)
simba Martin, 1906: 509.
 (syn. *glauca*)
souteri Fraser, 1924: 26, 521. India
tenax Selys, 1860: 10, 449. Ceylon
tetrica Laidlaw, 1917: 13, 345. India
tropicalis Pinhey, 1974: 7, 1. C.Africa
tsiamae Aguesse, 1966: 28, 783.
 (syn. *vrijdaghi*)
vrijdaghi Fraser, 1954: 50, 269. Congo
 (= *tsiamae*)
- 1.4.5.2.4. *Isomecocnemis* Cowley, 1936
cellularis Gruenberg, 1902: 9, 232. E.Africa
 * *cyanura* Foerster, 1909: 62, 234, (*Chlorocnemis*). W.Africa
subnodalis Selys, 1886: 38, 162. C.Africa
- 1.4.5.2.5. *Nososticta* Selys, 1890
 (incl. *Notoneura* Tillyard, 1913 &
Risioneura Munz, 1919)
africana Schmidt, 1944: 12, 43. Solomon Is.
astrolabica Foerster, 1898: 21, 299. New Guinea
 (= *torrenticola*)
atrocyana Lieftinck, 1960: 10, 117. New Guinea
aurantiaca Lieftinck, 1938: 2, 94. New Guinea
 (= *plagiata* Ris)
baroalba Watson & Theischinger, 1984: 98, 7. N.Australia
beatrice Lieftinck, 1949: 5, 63. New Guinea
callisphaena Lieftinck, 1937: 1, 298. New Guinea
chalybeostoma Lieftinck, 1932: 38, 190. New Guinea
circumscripta Selys, 1886: 15, 44. Obi Is.
coelestina Tillyard, 1906: 31, 184. Queensland
commutata Lieftinck, 1938: 2, 90. New Britain
 (= *exul* Ris)
cruentata Lieftinck, 1932: 15, 56. New Guinea
 (ssp. of *rosea*)
cyanura Lieftinck, 1932: 15, 45. New Guinea
diadesma Lieftinck, 1936: 43, 120. Sumba Is.
dorsonigra Martin, 1903: 8, 508. New Guinea
eburnea Foerster, 1897: 23, 336. Kei Is.
 (ssp. of *salomonis*)
eburnea Ris, 1929: 7, 144.
 (syn. *egregia*)
efasciata Lieftinck, 1949: 5, 73. New Guinea
 (ssp. of *erythrura*)

- 1.4.5.2.5. *egregia* Lieftinck, 1937: 1, 306. Buru
(= *eburnea* Ris)
- emphyla* Lieftinck, 1936: 43, 118. Flores Is.
- erythroprocta* Selys, 1886: 38, 182. Waigeu
- erythrura* Lieftinck, 1932: 15, 46. New Guinea
(has ssp. *efasciata*)
- evelynae* Lieftinck, 1960: 10, 120. New Guinea
- exul* Selys, 1886: 38, 185. New Guinea
- exul* Ris, 1900: 66, 194.
(syn. *commutata*)
- finisterrae* Foerster, 1897: 15, 36. New Guinea
- flavipennis* Selys, 1886: 38, 188. Celebes
- fonticola* Lieftinck, 1932: 15, 49. New Guinea
- fraterna* Lieftinck, 1933: 40, 420. N.Australia
- fruhstorferi* Krueger, 1898: 59, 138.
(syn. *insignis*)
- geminata* Fraser, 1926: 8, 492.
(syn. *salomonis eburnea*)
- insignis* Selys, 1886: 38, 181. Malaysia
(= *fruhstorferi*)
- irene* Lieftinck, 1949: 5, 64. New Guinea
- kalumburu* Watson & Theischinger, 1984: 98, 14. N.W.Australia
- koolpinyah* Watson & Theischinger, 1984: 98, 16. N.Australia
- koongarra* Watson & Theischinger, 1984: 98, 20. N.Australia
- liveringa* Watson & Theischinger, 1984: 98, 23. N.W.Australia
- lorentzi* Lieftinck, 1938: 2, 91. New Guinea
- marina* Ris, 1913: 35, 513. Aru Is.
- melanoxantha* Lieftinck, 1949: 5, 68. New Guinea
- moluccensis* Selys, 1886: 38, 186. Amboina
- nigrifrons* Ris, 1913: 34, 513. New Guinea
- nigrofasciata* Lieftinck, 1932: 34, 512. New Guinea
- phoenissa* Ris, 1929: 7, 143. Buru Is.
- pilbara* Watson, 1969: 17, 80. W.Australia
- plagiata* Selys, 1886: 38, 184. Misool Is.
(= *xanthomelaena* Ris)
- plagiata* Ris, 1915: 13, 91.
(syn. *aurantiaca*)
- plagioxantha* Lieftinck, 1932: 15, 54. New Guinea
- pseudexul* Ris, 1913: 34, 513. New Guinea
- pyroprocta* Lieftinck, 1960: 10, 122. New Guinea
- rangifera* Lieftinck, 1949: 5, 70. New Guinea
- rosea* Ris, 1913: 34, 513. Aru Is.
(has ssp. *cruentata*)

- 1.4.5.2.5. *salomonis* Selys, 1886: 38, 188. Solomon Is.
 (has ssp. *ebernea* Foerster, [= *geminata*])
- selysi* Foerster, 1896: 40, 423. Solomon Is.
- silvicola* Lieftinck, 1949: 5, 72. New Guinea
- * *solida* Hagen in Selys, 1860: 10, 456. Australia
- solitaria* Tillyard, 1906: 31, 182. Queensland
- taracumbi* Watson & Theischinger, 1984: 98 34. N. Australia
- thalassina* Lieftinck, 1949: 5, 73. New Guinea
- torrenticola* Foerster, 1903: 1, 552.
 (syn. *astrolabica*)
- wallacei* Selys, 1886: 38, 183. New Guinea
- xanthe* Lieftinck, 1938: 2, 93. New Guinea
- xanthomelaena* Ris, 1916: 2, 91.
 (syn. *plagiata* Selys)
- 1.4.5.2.6. *Prodasineura* Cowley, 1934
 (incl. pt. *Alloneura* Selys, 1886)
- abbreviata* Lieftinck, 1951: 8, 76. Borneo
- agrioniformis* Martin, 1907: 1, 430.
 (syn. *vittata*)
- andamanensis* Fraser, 1924: 26, 412. Andaman Is.
 (ssp. of *verticalis*)
- annandalei* Fraser, 1921: 27, 543. India
 (ssp. of *verticalis*)
- arba* Kruger, 1898: 59, 112.
 (syn. *verticalis delia*)
- autumnalis* Fraser, 1922: 7, 43. E. Asia/E. Indies
 (= *corvina*; = *dolorosa*;
 has ssp. *gandawricus*)
- botti* Fraser, 1922: 7, 41. Burma
 (form of *collaris*)
- burmanensis* Fraser, 1933: 1, 216. Burma
 (ssp. of *verticalis*)
- canningi* Fraser, 1919: 26, 877.
 (syn. *sita* ?)
- coerulescens* Fraser, 1932: 8, 289. Siam
- collaris* Selys, 1860: 10, 455. Malaya
 (has forms *botti* & *dohrnii*)
- corvina* Lieftinck, 1930: 12, 138.
 (syn. *autumnalis*)
- croconota* Ris, 1916: 5, 18. Formosa
- delia* Karsch, 1891: 17, 243. Sumatra
 (ssp. of *verticalis*; [= *arba*; = *karnyi*; = *risi*])
- delicatula* Lieftinck, 1930: 12, 141. Java

- 1.4.5.2.6. dohrni Krueger, 1898: 59, 114. Sumatra
(form of collaris)
- dolorosa Needham, 1930: 11, 284.
(syn. autumnalis)
- * dorsalis Selys, 1860: 10, 456, (Alloneura). Borneo
- flammula Lieftinck, 1948: 19, 227. Borneo
- flavifacies Pinhey, 1981: 9, 69. Zambia
- gandawricus Sahni, 1946: 13, 84. India
(ssp. of autumnalis)
- gracillima Selys, 1886: 38, 179. E.Indies
- haematosoma Lieftinck, 1937: 16, 84. Borneo
- hosei Laidlaw, 1913: 78. Borneo
- humeralis Selys, 1860: 10, 454. Malaya
(ssp. of verticalis)
- hyperythra Selys, 1886: 38, 180. Borneo
(= moultoni)
- incerta Pinhey, 1962: 25, 25. Congo
- integra Selys, 1882: 11, 32. Mindanao
- interrupta Selys, 1860: 10, 454. Malaya
- karnyi Laidlaw, 1926: 4, 219.
(syn. verticalis delia)
- laidlawi Foerster, 1907: 2, 12. Malaya
- lansbergei Selys, 1886: 38, 178. (Borneo ?)
- longjingensis Zhou, 1981: 61. China
- moultoni Laidlaw, 1912: 63, 98.
(syn. hyperythra)
- nigra Fraser, 1922: 7, 42. Burma
- notostigma Selys, 1860: 10, 452. Malaya
- obsoleta Selys, 1882: 11, 33. Philippines
- odoneli Fraser, 1924: 30, 51. India
- odzalae Aguesse, 1966: 28, 786. Congo
- palawana Lieftinck, 1948: 19, 232. Palawan
- peramoena Laidlaw, 1913: 76. Borneo
- perisi Compte Sart, 1964: 62, 19. W.Africa
- quadrastigma Lieftinck, 1951: 8, 80. Borneo
- risi Schmidt, 1934: 13, 338.
(syn. verticalis delia)
- sita Kirby, 1894: 24, 563. India
(= canningi ?)
- tenebricosa Lieftinck, 1937: 16, 82. Borneo
- theebawi Fraser, 1922: 7, 40. Burma

- 1.4.5.2.6. *verticalis* Selys, 1860: 453. Borneo
 (has ssp. *andamanensis*; *annandalei*; *burmanensis*;
delia [= *arba*; = *karnyi*; = *risi*]; *humeralis*)
- villiersi* Fraser, 1948: 17, 7. W.Africa
- vittata* Selys, 1886: 38, 174. W.Africa
 (= *agrioniformis*)
- 1.4.5.3. Protoneurinae. CuP extends to level of vein descending from
 subnodus (or slightly distal to this). New World forms.
- 1.4.5.3.1. *Epipleoneura* Williamson, 1915
- albuquerquei* Machado, 1964: 51, 9. Brasil
- ephippigera* Selys, 1886: 38, 208. Peru
- fernandezii* Racenis, 1960: 3, 28. Venezuela
- fuscaenea* Williamson, 1915: 48, 628. Guiana
- haroldoi* Santos, 1964: 8, 42. Brasil
- humeralis* Selys, 1886: 38, 209. Brasil
- incusa* Williamson, 1915: 48, 627. Guiana
- * *lamina* Williamson, 1915: 48, 625. Guiana
- machadoi* Racenis, 1960: 3, 37. Brasil
- manauensis* Santos, 1964: 8, 40. Brasil
- metallica* Racenis, 1955: 15, 56. Venezuela
- pallida* Racenis, 1960: 3, 32. Venezuela
- pereirai* Machado, 1964: 51, 2. Brasil
- spatulata* Racenis, 1960: 3, 34. Venezuela
- venezuelensis* Racenis, 1955: 15, 59. Venezuela
- williamsoni* Santos, 1957: 168, 1. Brasil
- 1.4.5.3.2. *Epipotoneura* Williamson, 1915
- nehalennia* Williamson, 1915: 48, 630. Guiana
- 1.4.5.3.3. *Idioneura* Selys, 1860
- ancilla* Selys, 1860: 10, 458. Brasil
- 1.4.5.3.4. *Junia* Racenis, 1968
- elumbis* Racenis, 1968: 11, 2. Venezuela
- 1.4.5.3.5. *Microneura* Selys, 1886
- caligata* Selys, 1886: 38, 206. Cuba
- 1.4.5.3.6. *Neoneura* Selys, 1860
 (= *Caenoneura* Kirby, 1890)
- aaroni* Calvert, 1903: 139. USA
- amelia* Calvert, 1903: 43, 239. C.America
- * *bilinearis* Selys, 1860: 10, 460. S.America
- carnatica* Selys, 1886: 38, 200. Cuba
- cristina* Racenis, 1955: 15, 49. Venezuela

- 1.4.5.3.6. *denticulata* Williamson, 1917: 43, 229. S.America
 (= *pardalina*)
esthera Williamson, 1917: 43, 232. C.America
ethela Williamson, 1917: 43, 222. Brasil
fulvicollis Selys, 1886: 38, 202. Brasil
gaida Racenis, 1953: 1, 155. Venezuela
joana Williamson, 1917: 43, 125. Guiana
maria Scudder, 1866: 10, 188. Cuba
 (= *palustris*)
mariana Williamson, 1917: 43, 224. Guiana
myrthea Williamson, 1917: 43, 228. Guiana
palustris Hagen, 1867: 290.
 (syn. *maria*)
pardalina Sjoestedt, 1918: 2, 34.
 (syn. *denticulata*)
paya Calvert, 1907: 393. Guatemala
rubriventris Selys, 1860: 10, 459. S.America
rufithorax Selys, 1886: 38, 204. Brasil
schreiberi Machado, 1975: 27, 764. Brasil
sylvatica Selys, 1886: 38, 204. Brasil
waltheri Selys, 1886: 38, 198. Brasil
- 1.4.5.3.7. *Peristicta* Selys, 1860
aeneoviridis Calvert, 1909: 6, 211. Paraguay
 * *forceps* Selys, 1860: 10, 442. Brasil
gauchae Santos, 1968: 12, 79. Brasil
lizeria Navas, 1920: 90, 45. Argentina
missionera Jurzitza, 1981: 10, 227. Argentina
- 1.4.5.3.8. *Phasmoneura* Williamson, 1916
ciganae Santos, 1968: 11, 221. Argentina
itatiaiae Santos, 1970: 13, 25. Brasil
 * *olmyra* Williamson, 1916: 27, 31. Guiana
- 1.4.5.3.9. *Proneura* Selys, 1889
prolongata Selys, 1889: 33, 174. Peru
- 1.4.5.3.10. *Protoneura* Selys, 1857
ailsa Donnelly, 1961: 44, 119. St. Lucia
amatoria Calvert, 1907: 395. C.America
aurantiaca Selys, 1886: 38, 213. Panama
bifurcata Sjoestedt, 1918: 2, 28. Brasil
calverti Williamson, 1915: 48, 620. Guiana
 * *capillaris* Rambur, 1842: 280, (Agrion). Cuba

- 1.4.5.3.10. *capilliformis* Selys, 1886: 38, 211. Brasil
cara Calvert, 1903: 144. C.America
corculum Calvert, 1907: 396. Guatemala
cupida Calvert, 1903: 142. C.America
exigua Selys, 1886: 38, 216. Brasil
klugi Cowley, 1941: 91, 145. Peru
macintyreii Kennedy, 1939: 410, 2. Ecuador
paucinervis Selys, 1886: 38, 214. Peru
peramans Calvert, 1902: 13, 231. Guatemala
peruviensis Fraser, 1946: 97, 459. Peru
protostictoides Fraser, 1946: 97, 458. Peru
scintilla Gloyd, 1930: 408, 1. Brasil
tenuis Selys, 1860: 10, 461. Brasil
viridis Westfall, 1964: 27, 112. Virgin Is.
woytkowski Gloyd, 1939: 408, 8. Peru
- 1.4.5.3.11. *Psaironeura* Williamson, 1915
cerasina Williamson, 1915: 48, 629. Guiana
* *remissa* Calvert, 1903: 144, (*Protoneura*). C.America
sancta Hagen in Selys, 1860: 10, 462. Brasil
tenuissima Selys, 1886: 38, 217. Peru
- 1.4.5.3.12. *Roppaneura* Santos, 1966
beckeri Santos, 1966: 256, 1. Brasil
- 1.4.6. *Pseudostigmatidae*. Very large and slender forms. *Pterostigma* absent or replaced by pseudostigma which is traversed by crossveins and differs widely between fore and hind wings. Nodus close to wing base; Dc nearly quadrilateral but distal angle slightly acute; postnodals very numerous; intercalated veins present. New World.
- 1.4.6.1.1. *Anomisma* McLachlan, 1877
abnorme McLachlan, 1877: 14, 87, (*Microstigma*). S.America
(= *terminatum*)
terminatum McLachlan, 1877: 14, 87. S.America
(syn. *abnorme*)
- 1.4.6.1.-. *Goniostigma* Kennedy, 1920
(sgen. of *Mecistogaster*)
- 1.4.6.1.-. *Haplostigma* Kennedy, 1920
(sgen. of *Mecistogaster*)
- 1.4.6.1.2. *Mecistogaster* Rambur, 1842
(has sgen. *Goniostigma*, *Haplostigma*,
Platystigma & *Xanthostigma* Kennedy, 1920)
acutipennis Selys, 1886: 38, 18. Trinidad
(form of *ornata*).

- 1.4.6.1.2. *amalia* Burmeister, 1939: 11, 818, (sgen. *Goniostigma*).
 (= *filiformis* Rambur; = *leucostigma* Rambur; S.America
 = *linearis* Blanchard; = *linearis* Rambur;
 = *lucretia* Selys; = *virgata* Rambur)
- amazonica* Sjoestedt, 1918: 11, 201. Brasil
- asticta* Selys, 1860: 10, 21. Brasil
- buckleyi* McLachlan, 1881: 32. Ecuador
- filiformis* Rambur, 1842: 285.
 (syn. *amalia*)
- filigera* Rambur, 1842: 287.
 (syn. *linearis* Fabricius)
- fila* Rambur, 1842: 284.
 (syn. *lucretia* Drury)
- flavistigma* Rambur, 1842: 287.
 (syn. *linearis* Fabricius)
- garleppi* Foerster, 1903: 2. Peru
- hauxwelli* Selys, 1886: 38, 27. Amazonia
 (ssp. of *lucretia* Drury)
- infumata* Fraser, 1946: 97, 462. Colombia/Peru
 (ssp. of *linearis* Fabricius)
- iphigenia* Selys, 1886: 38, 22. Colombia
 (form of *modesta*)
- jocaste* Hagen, 1869: 260, (sgen. *Platystigma*). Amazonia
 (has ssp. *sincerus* & *vicentius*)
- leucostigma* Rambur, 1842: 286.
 (syn. *amalia*)
- linearis* Blanchard, 1851: 65.
 (syn. *amalia*)
- linearis* Fabricius, 1777: 249, (*Agrion*). C. & S.America
 (= *filigera*; = *flavistigma*; = *selysia*;
 has ssp. *infumata*)
- linearis* Olivier, 1792: 7, 567.
 (syn. *lucretia* Drury)
- linearis* Rambur, 1842: 282.
 (syn. *amalia*)
- longissima* Fee, 1832: 365.
 (syn. *lucretia* Drury)
- lucretia* Drury, 1773: 2, 48. S.America
 (= *fila*; = *linearis* Fabr; = *linearis* Olivier;
 = *longissima*; = *marchali*; = *pedicillata*)
- lucretia* Selys, 1860: 10, 24.
 (syn. *amalia*)
- luctuosa* Selys, 1860: 10, 20.
 (syn. *ornata*)
- marchali* Rambur, 1842: 283.
 (syn. *lucretia* Drury)
- modesta* Selys, 1860: 10, 23, (sgen. *Haplostigma*). Mexico
 (has form *iphigenia*)

- 1.4.6.1.2. *ornata* Rambur, 1842: 288, (sgen. *Xanthostigma*).C.& S.America
(= *luctuosa*; has form *acutipennis*)
- pedicillata* Rambur, 1842: 284.
(syn. *lucretia* Drury)
- pronoti* Sjoestedt, 1918: 11, 31. Brasil
- selysi* Navas, 1923: 6, 9.
(syn. *linearis* Fabricius)
- signata* Rambur, 1842: 286
(syn. *lucretia* Drury)
- sincerus* McLachlan, 1877: 14, 88. Amazonia
(ssp. of *jocaste*)
- tullia* Burmeister, 1839: 2, 818.
(syn. *lucretia* Drury)
- vicentius* Ris, 1918: 82, 72. Colombia
(ssp. of *jocaste*)
- virgata* Rambur, 1842: 284.
(syn. *amalia*)
- 1.4.6.1.3. *Megaloprepus* Rambur, 1842
- brevistigma* Selys, 1860: 10, 13. C.America
(ssp. of *caerulatus*)
- caerulatus* Drury, 1782: 3, 50, (*Libellula*). C.America
(= *latipennis*; has ssp. *brevistigma*)
- latipennis* Selys, 1860: 10, 14.
(syn. *caerulatus*)
- 1.4.6.1.4. *Microstigma* Rambur, 1842
- albopictum* Schmidt, 1958: 57, 33. Brasil
(ssp. of *maculatum*)
- * *anomalum* Rambur, 1842: 289. Amazonia
(= *minor*; = *proximum*; has ssp. *sjoestedti* & *vicinum*)
- calcipennis* Fraser, 1946: 97, 463. Bolivia
- exustum* Selys, 1860: 10, 15. Colombia
(ssp. of *rotundatum*)
- fassli* Schmidt, 1958: 57, 33. Brasil
(ssp. of *maculatum*)
- lunatum* Selys, 1860: 10, 16.
(syn. *rotundatum*)
- maculatum* Selys, 1860: 10, 17. Amazonia
(has ssp. *albopictum*; ssp. *fassli*)
- minor* Selys, 1886: 38, 11.
(syn. *anomalum*)
- proximum* Rambur, 1842: 289.
(syn. *anomalum*)
- rotundatum* Selys, 1860: 10, 15. Peru/Ecuador
(= *lunatum*; has ssp. *exustum*)
- sjoestedti* Schmidt, 1958: 57, 37. Brasil
(ssp. of *anomalum*)

- 1.4.6.1.4. vicinum Schmidt, 1958: 57, 36. Brasil
(ssp. of anomalum)
- 1.4.6.1.-. Platystigma Kennedy, 1920
(sgen. of Mecistogaster)
- 1.4.6.1.5. Pseudostigma Selys, 1860
aberrans Selys, 1868: 10, 18. C.America
accedens Selys, 1868: 10, 19. C.America
- 1.4.6.1.-. Xanthostigma Kennedy, 1920
(sgen. of Mecistogaster)

2. Anisozygoptera. Mixture of zygoterous and anisopterous characters.

Eyes separated. Antennae with 5 segments. Dc simple in fore wing, Dc in hind wing obliquely quadrate sometimes with one proximal cross veinlet. Hind wings not broadened in basal area. Arc recessed to between primary antenodals. Appendages of male anisopteroid; females with complete ovipositor. Larva Anisopteroid, rectal gills present but no jet propulsion.

2.1.1. Epiophlebiidae Tillyard. Medium sized species with Gomphine facies and colouring. IRiii and Riv only partly recessed.

2.1.1.1. Epiophlebia Calvert, 1903

laidlawi Tillyard, 1921: 22, 95 (larva);

(Asahina, 1958: 6, 17 (adult))

Himalayas

* superstes Selys, 1889: 33, 156, (Palaeophlebia).

Japan

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