

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

Vol. 2

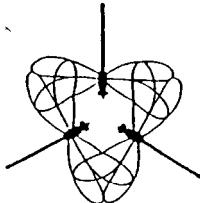
ANISOPTERA

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**THE DRAGONFLIES OF THE
WORLD:
A systematic list of the extant
species of Odonata**

Vol. 2

Anisoptera

D. Allen L. Davies and Pamela Tobin

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INTRODUCTION

This is the partner volume to the Zygoptera species list and the general comments in the Introduction to Vol.1 with regard to the preliminary nature of the listing apply equally to this Anisoptera list.

We have attempted to include what is in the literature and not give our own opinions too much prominence. Nevertheless some subjective choices have been made. We have used a modified version of the generic synopsis (S.I.O. Rapid Comm. No.3, 1981) as the present framework. Authorship of suprageneric taxa is not included because terms and forms of terms have, in many cases, been used several times by different authors but in different ways.

We have retained the poorly defined Anactini in spite of pressure to drop it, because it provides some structure into a large assemblage. It is an example of other decisions we have had to make where all connecting links exist, as e.g. Anax to Aeshna, yet most representatives of the two genera are distinguishable at a glance, due more to general facies than good structural characters. While the worst part of Vol.1 was the dissection of the Coenagrionidae, the worst part of Vol.2 is the Gomphidae; everyone eagerly awaits a new broad treatment of this family. We have dropped Epigomphinae because of unpopularity; the characters are weak and the species un-naturally scattered from the true home of South and Central America to, e.g., Australia. We have included Onychogomphinae (Chao, 1984) and Octogomphini (Carle and Cook, 1984) as their popularity has yet to be tested; we have had trouble defining the "Gomphini" which arises from the insertion of Octogomphini. We have brought Macromias and Synthemids back down to subfamily status; North American Macromias are very compact and although many other species elsewhere have the same easily recognized facies, a strong case was made against family status by relationships with Asiatic genera. We cannot ignore similar arguments for Synthemids. Generally, however, our feelings will be reflected in the sense that we can use, e.g. Procordulia and Hemicordulia in spite of the fact that one grades smoothly into the other (Lieftinck, in press). With regard to the layout of the Libellulines, we are aware that it is unsatisfactory and we hope it will tempt someone to undertake a revision using modern methods of taxonomy.

The arrangements are entirely alphabetical. It is very tempting to use natural relationships where they are clear; other connections would be intriguing to

suggest, but then what can one do with the rest?

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.)"; this means 'a mere synonym of ...'; they are 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.)"; the true status of subspecies is often poorly established; more poorly defined names 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; however, they are listed in brackets under their parent genus and added in brackets after each of their species in the list. We have not been enthusiastic over subspecific names such as minor, parvum, minuta and so on, suspecting that, in some cases, the character applies to half-starved individuals whose pond dried up prematurely or became unbearably salty.

Several genera have appeared, reappeared or disappeared since the assembly of the Generic synopsis of 1981. The retention of Gomphidictinus is due to Robert Gambles (personal communication and data in press). We have taken the liberty of treating Arigomphus, Gomphurus and Hylogomphus as genera to help break up the unwieldy Gomphus. We have tried to avoid unpublished opinions on topics where we have no particular view, but there are some items and advice inserted with the kind approval of Maurits Lieftinck.

We hope the list is more or less complete to the end of 1983, but entries were incorporated well into 1984. The number of species of Anisoptera in the list stands at 2513; also listed are 322 subspecies and 83 forms. With the 2362 species we listed for the Zygoptera, we can say that the number of Odonata so far described stands close to 4875, probably less than most of us would have guessed. No doubt much synonymy persists, but on the other hand many new species are already awaiting description, certainly enough to pass the 5000 mark. We can only hope that those not yet seen will survive man's worldwide attack on their habitats.

Umlauts have not been used, as they do not exist in Latin. In spite of some usages we have had to settle for feminine guts (-gaster) and masculine claws

(onyx); Zygonyx torridus may sound strange, but torrida was inherited from Phyllomacromia; and so on.

We attach much importance to the distribution data in spite of having only provided a few centimetres to accommodate it. We hope the information will be expanded later to provide the kinds of data needed for conservation and other studies. A variety of terms has been used to make best use of the distribution column, geographical, political, climatic etc. but it has proved very difficult in some cases to find a short epithet for a wide or irregular distribution. On the whole we have tried to give an idea of the range of occurrence and not just the type locality.

We are grateful to the following friends for scanning parts of the manuscript; Rosser Garrison (Azusa), Bastiaan Kiauta (Utrecht), Maurits Lieftinck (Rhenen), Angelo Machado (Belo Horizonte), Elliot Pinhey (Chepstow), and Günther Theischinger (Sydney). We also had helpful advice from Robert Gambles (Pangbourne) especially on points of linguistics and from Tony Watson (Canberra). Other correspondents kindly made suggestions about the Generic Synopsis of 1981, and some of the resulting changes have been incorporated into the superstructure of the present contribution. Finally we thank Dr. Mound for access to collections and files at the Dept. of Entomology, British Museum of Natural History and to Steve Brookes of the same Department who has again been very helpful in seeking out difficult literature and other matters.

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1985

SCHEMA (no. of genera)

3. Anisoptera

- | | |
|----------------------------------|---------------------------------|
| 3.1. Aeshnoidea | 3.3. Libelluloidea |
| 3.1.1. Aeshnidae | 3.3.1. Corduliidae |
| 3.1.1.1. Aeshninae | 3.3.1.1. Cordulephyinae (1) |
| 3.1.1.1.(1). Aeshnini (6) | 3.3.1.2. Corduliinae (21) |
| 3.1.1.1.(2). Anactini (3) | 3.3.1.3. Gomphomacromiinae (14) |
| 3.1.1.1.(3). Gynacanthagini (11) | 3.3.1.4. Idionychinae (2) |
| 3.1.1.1.(4). Polycanthagini (1) | 3.3.1.5. Idomacromiinae (1) |
| 3.1.1.2. Brachytroninae | 3.3.1.6. Macromiinae (3) |
| 3.1.1.2.(1). Brachytronini (17) | 3.3.1.7. Neophyinae (1) |
| 3.1.1.2.(2). Gomphaeschnini (9) | 3.3.1.8. Synthemistinae (4) |
| 3.1.2. Gomphidae | 3.3.2. Libellulidae |
| 3.1.2.1. Gomphinae | Section 1 |
| 3.1.2.1.(1). Gomphini (41) | 3.3.2.1. Tetrathemistinae (21) |
| 3.1.2.1.(2). Octogomphini (9) | Section 2 |
| 3.1.2.2. Onychogomphinae (9) | 3.3.2.2. Brachydiplacinae (25) |
| 3.1.2.3. Gomphoidinae (10) | 3.3.2.3. Leucorrhiniinae (5) |
| 3.1.2.4. Hageniinae (2) | 3.3.2.4. Libellulinae (27) |
| 3.1.2.5. Lindeniinae (7) | 3.3.2.5. Sympetrinae (24) |
| 3.1.3. Neopetalidiidae (5) | 3.3.2.6. Trithemistinae (13) |
| 3.1.4. Petaluridae | Section 3 |
| 3.1.4.1.. Petalurinae (4) | 3.3.2.7. Onychothemistinae (1) |
| 3.1.4.2. Tanypteryginae (1) | 3.3.2.8. Palpopleurinae (4) |
| 3.2. Cordulegastroidea | 3.3.2.9. Trameinae |
| 3.2.1. Cordulegastridae | 3.3.2.9.(1) Rhyothemistini (1) |
| 3.2.1.1. Chlorogomphinae (1) | 3.3.2.9.(2). Trameini (9) |
| 3.2.1.2. Cordulegastrinae (5) | 3.3.2.9.(3). Zyxommatini (4) |
| | 3.3.2.10. Urothemistinae (4) |
| | 3.3.2.11. Zygonychinae (5) |

3. Anisoptera. 'Dragonflies', more or less robust. Eyes not separated by a space greater than their own diameter. Wings usually held horizontally or depressed when at rest; hind wing always more or less broader near base than fore wing. Dc divided into triangle (trg) and supratriangle (strg). Anal vein well developed. Male with one inferior anal appendage which is above the anus. Penile organ attached to the 3rd abdominal sternite. Larva with rectal tracheal gills and jet propelled (except in Petaluridae).

3.1. Aeshnoidea. Trg in fore and hind wings somewhat similar in shape and equally distal from arc. Base of hind wing of male usually angulated. Primary antenodals evident. Auricles usually present on segment 2 of male. Larva elongated, labial mask flattened usually with no setae, lateral lobes narrow, indented in larva and imago.

3.1.1. Aeshnidae. Large to very large Anisoptera. Eyes confluent. Ovipositor present. Trg elongate, crossed and similar in all wings; discoidal field subtending 3 rows of cells; median space entire; MA fused with Riv near distal end; IRiii forked just before level of stigma. 4 rows of cells between RSpl-MSpl and IRiii-MA.

3.1.1.1. Aeshninae. Venation rather close but median space uncrossed. Riv and MA gradually converging and either fusing or joined by oblique vein. MA vanishes at distal end.

3.1.1.1.(1). Aeshnini. Often enamel blue and green colouring. Triangles elongated and reticulated. Hind wing of male usually angulated at base with oreilletts on segment 2. Riii not bent towards stigma, anal triangle present. Female with simple rounded finely spined dentigerous plate under segment 10.

3.1.1.1.(1).1. Aeshna Fabricius, 1775

(has sgen. Hesperaeschna; Marmaraeschna;
Neureclipa; Rhionaeschna and Schizuraeschna)

absoluta Calvert, 1952: 63, 258.
(ssp. of diffinis)

Peru

aenea Sulzer, 1761: 17, 101.
(syn. cyanea)

affinis Van der Linden, 1823: 4, 102. Europe/N.Africa
(= landolti)

alpina Selys, 1848: 16.
(syn. mixta)

americana Barteneff, 1929: 54, 12.
(ssp. of juncea)

Canada

andresi Racenis, 1958: 2, 324.

Venezuela

anguis Harris, 1782: 23.
(syn. cyanea)

3.1.1.1.(1).1.	<i>angustistyla</i> Oguma, 1926: <u>1</u> , 80. (ssp. of <i>juncea</i>)	Sakhalin
	<i>annulata</i> Fabricius, 1798: 286. (= <i>Gynacantha millardi</i>)	India
	<i>arida</i> Kennedy, 1918: <u>50</u> , 298. (syn. <i>palmata</i>)	
	<i>arundinacea</i> Selys, 1872: <u>15</u> , 36. (syn. <i>clepsydra</i>)	
	<i>athalia</i> Needham, 1930: <u>11</u> , 92.	China
	<i>atshischgho</i> Bartenev, 1929: <u>85</u> , 57. (form of <i>cyanea</i>)	Caucasus
	<i>baicalensis</i> Belyshev, 1964: <u>62</u> , 11.	Siberia
	<i>bicellulata</i> Goerther, 1948: <u>11</u> , 39. (form of <i>cyanea</i>)	Czechoslovakia
	<i>biliosa</i> Kennedy, 1938: <u>31</u> , 573. (sgen. <i>Hesperaeschna</i>)	S.America
	<i>bonariensis</i> Rambur, 1842: 204. (sgen. <i>Neureclipa</i>) (= <i>litigatrix</i> ; has form <i>lutea</i>)	S.America
	<i>borealis</i> Zetterstedt, 1840: 1040. (syn. <i>coerulea</i>)	
	<i>brachystigma</i> Sjøestedt, 1927: <u>19A</u> , 3. (form of <i>juncea</i>)	Kamtchatka
	<i>brevifrons</i> Hagen, 1861: 129. (sgen. <i>Marmaraeschna</i>)	S.America
	<i>brevistyla</i> Rambur, 1842: 205. (has forms <i>lineata</i> & <i>oblita</i>)	Australasia
	<i>californica</i> Calvert, 1895: <u>4</u> , 504. (sgen. <i>Hesperaeschna</i>)	W. of N.America
	<i>canadensis</i> Walker, 1908: <u>40</u> , 384.	N.America
	<i>caucasica</i> Kolenati, 1846: <u>5</u> , 114. (syn. <i>juncea</i>)	
	<i>clepsydra</i> Say, 1839: <u>8</u> , 12. (= <i>arundinacea</i> ; = <i>maxima</i>)	N.America/Siberia
	<i>coerulea</i> Stroem, 1783: <u>2</u> , 90. (= <i>borealis</i> ; = <i>squamata</i>)	Palaearctic
	<i>coluberculus</i> Harris, 1782: 27. (syn. <i>mixta</i>)	
	<i>confusa</i> Rambur, 1842: 205. (sgen. <i>Hesperaeschna</i>)	S.America
	<i>constricta</i> Say, 1839: <u>8</u> , 11.	Siberia/N.America
	<i>cornigera</i> Brauer, 1865: <u>15</u> , 906. (sgen. <i>Hesperaeschna</i>) (has ssp. <i>planaltica</i>)	C. & S.America
	<i>crenata</i> Hagen, 1856: <u>17</u> , 369. (has form <i>translucida</i> & ssp. <i>wnukowskii</i>)	N.Palaearctic
	<i>crenatoides</i> Bartenev, 1924: <u>29</u> , 45. (form of <i>juncea</i>)	Caucasus

- 3.1.1.1.(1).1. *cyanea* Mueller, 1764: 61. Europe
 (= *aenea*; = *anguis*; = *maculatissima*;
 = *varia*; has forms *atshischgho* &
bicellulata)
- decessus* Calvert, 1953: 64, 205. (sgen. *Hesperaeschna*) Brasil
depravata Hagen, 1861: 314.
 (syn. *punctata*)
- diffinis* Rambur, 1842: 203. (sgen. *Neureclipa*) S.America
 (has ssp. *absoluta* and ssp. *risi*;
 [= *variegata*])
- dolabrata* Karsch, 1899: 25, 374.
 (syn. *minuscula*)
- draco* Racenis, 1958: 2, 324. Venezuela
- dugesii* Calvert, 1905: 180. (sgen. *Schizuraeschna*) C. to N.America
eduardoi Machado, 1984: 161. Brasil
- elisabethae* Djakonov, 1922: 3, 129. N. Russia
 (ssp. of *subarctica*)
- elliotti* Kirby, 1896: 17, 125. C. & E.Africa
 (has ssp. *usambarica*)
- elsia* Calvert, 1952: 63, 260. (sgen. *Neureclipa*) S.America
- eremita* Scudder, 1866: 10, 213. N.America
 (= *hudsonica*)
- fennica* Valle, 1927: 56, 26.
 (syn. *serrata osiliensis*)
- flavifrons* Lichtenstein, 1796: 3, 189. India
- flavipennis* Retzius, 1783: 57.
 (syn. *grandis*)
- frontalis* Navas, 1936: 3, 41. China
- furcifera* Karsch, 1891: 17, 309.
 (syn. *multicolor*)
- galapagoensis* Currie, 1901: 3, 382. (sgen. *Neureclipa*) Galapagos Is.
- gigas* Barteneff, 1910: 35, 273. Russia
- **grandis* Linnaeus, 1758: 1, 544, (*Libellula*). Europe
 (= *flavipennis*; = *quadriasciata*)
- haarupi* Ris, 1908: 523. (sgen. *Hesperaeschna*) Argentina
- habermayeri* Goetz, 1923: 13, 36. Macedonia
 (ssp. of *mixta*)
- hudsonica* Selys, 1875: 11, 242.
 (syn. *eremita*)
- interlineata* Ander, 1944: 9, 164.
 (syn. *subarctica elisabethae*)

- 3.1.1.1.(1).1. *interna* Walker, 1908: 40, 381. W. of N.America
 (ssp. of *interrupta*)
- interrupta* Walker, 1908: 40, 381. N.America
 (has ssp. *interna* & *lineata*; [= *nevadensis*])
- intricata* Martin, 1908: 18, 59. (sgen. *Marmaraeschna*) C. & S.America
- jalapensis* Williamson, 1908: 19, 264. (sgen. *Schizuraeschna*) C.America
- ?? — *Javana* Lichtenstein, 1796: 3, 189. Java
- joannisi* Martin, 1897: 66, 592. (sgen. *Hesperaeschna*) Bolivia
- juncea* Linnaeus, 1758: 10, 544. Holarctic
 (= *caucasica*; = *ocellata*; = *picta*;
 = *rustica*; has ssp. *americana*;
angustistyla; *mongolica*; *orientalis*;
 has forms *brachystigma* & *crenatooides*)
- landoleti* Buechecker, 1878: 14.
 (syn. *affinis*)
- lapponica* Valle, 1940: 23. Finland
 (form of *juncea*)
- lineata* Tillyard, 1916: 62.
 (form of *brevistyla*)
- lineata* Walker, 1908: 40, 382. Canada - N.USA
 (ssp. of *interrupta*)
- litigatrix* Navas, 1911: 8, 476.
 (syn. *bonariensis*)
- lobata* Hagen, 1861: 314.
 (syn. *punctata*)
- lucia* Needham, 1930: 11, 91. China
- lutea* Navas, 1920: 5, 11.
 (form of *bonariensis*)
- maculatissima* Latreille, 1805: 13, 7.
 (syn. *cyanea*)
- manni* Williamson & Williamson, 1930: 216, 26. (sgen. *Hesperaeschna*) Mexico
- marchali* Rambur, 1842: 203. (sgen. *Hesperaeschna*) S.America
- maita* Foerster, 1909: 62, 221. (sgen. *Rhionaeschna*) Peru
- maxima* Heikal, 1861: 6, 117.
 (syn. *clepsydra*)
- meruensis* Sjöestedt, 1909: 14, 32. E.Africa
- minuscula* McLachlan, 1895: 17, 424.
 (= *dolabrata*) S.Africa
- mixta* Latreille, 1805: 13, 7. Palaeartic
 (= *alpina*; = *coluberculus*; has ssp. *habermayeri*)
- mongolica* Bartenef, 1929: 8, 12. Russia
 (ssp. of *juncea*)

- 3.1.1.1.(1).1. *moori* Pinhey, 1981: 9, 62. Zambia
- multicolor* Hagen, 1861: 121. (sgen. *Schizuraeschna*)
 (= *furcifera*) C. & N.America
- mutata* Hagen, 1861: 124. (sgen. *Schizuraeschna*) N.America
- nevadensis* Walker, 1908: 40, 382.
 (syn. *interrupta lineata*)
- nigroflava* Martin, 1908: 18, 38. Japan
- oblita* Tillyard, 1916: 62.
 (form of *brevistyla*)
- occidentalis* Walker, 1912: 11, 174. W. of N.America
 (ssp. of *umbrosa*)
- ocellata* Mueller, 1767: 3, 125.
 (syn. *juncea*)
- orientalis* Barteneff, 1929: 8, 15. Russia
 (ssp. of *juncea*)
- ornithocephala* McLachlan, 1896: 17, 368. Tibet
- osiliensis* Mierzejewski, 1913: 79. N.Europe
 (ssp. of *serrata*)
- pallipes* Fraser, 1947: 4, 443. (sgen. *Marmaraeschna*) Argentina
- palmata* Hagen, 1856: 17, 369. W. of N.America/Siberia
 (= *arida*)
- panamensis* Martin, 1908: 57.
 (syn. *williamsoniana*)
- peralta* Ris, 1918: 82, 160. (sgen. *Hesperaeschna*) S.America
- persephone* Donnelly, 1961: 63, 193. Arizona
- petalura* Martin, 1908: 18, 78. Himalayas
 (has ssp. *taiyal*)
- picta* Charpentier, 1840: 112.
 (syn. *juncea*)
- planaltica* Calvert, 1952: 63, 255. S.America
 (ssp. of *cornigera*)
- propinqua* Scudder, 1866: 10, 215.
 (syn. *verticalis*)
- psilus* Calvert, 1947: 194, 4. (sgen. *Hesperaeschna*) C. & S.America
- punctata* Martin, 1908: 18, 54. S.America
 (= *depravata*; = *lobata*)
- quadrifasciata* Mueller, 1764: 61.
 (syn. *grandis*)
- raphaeli* Pinhey, 1964: 63, 112. Zambezi
 (ssp. of *rileyi*)
- rileyi* Calvert, 1892: 164.
 (has ssp. *raphaeli*) E.Africa
- risi* Enderlein, 1912: 48, 119.
 (ssp. of *diffinis*) S.America

- 3.1.1.1.(1).1. *rufipes* Ris, 1916: 82, 163. S.America
rustica Zetterstedt, 1840: 1040.
 (syn. *juncea*)
- scotias* Pinhey, 1952: 3, 14. Uganda
- septentrionalis* Burmeister, 1839: 2. 839. Canada-N.E. USA
- serrata* Hagen, 1856: 17, 370. Eurasia
 (has ssp. *osiliensis*; [= *fennica*])
- sitchensis* Hagen, 1861: 119. N. of N.America
- squamata* Mueller, 1764: 62.
 (syn. *coerulea*)
- subarctica* Walker, 1908: 11, 385. Holarctic
 (has ssp. *elisabethae* [= *interlineata*])
- subpupillata* McLachlan, 1896: 17, 422. E.Africa
- taiyal* Asahina, 1938: 17, 541. Taiwan
 (ssp. of *petalura*)
- translucida* Belyshev, 1873: 16, 26. E.Siberia
 (form of *crenata*)
- tuberculifera* Walker, 1908: 40, 385. N.America
- umbrosa* Walker, 1908: 50, 380. N.America
 (has ssp. *occidentalis*)
- undulata* Bartenev, 1930: 89, 44. W.Russia
- unicolor* Martin, 1908: 18, 55. Bolivia
- usambarica* Foerster, 1906: 71, 48. E.Africa
 (ssp. of *elliotti*)
- varia* Shaw, 1806: 6, 242.
 (syn. *cyanea*)
- variegata* Fabricius, 1775: 425.
 (syn. *diffinis risi*)
- verticalis* Hagen, 1861: 122. N.America
 (= *propinqua*)
- vigintipunctata* Ris, 1916: 82, 163. (sgen. *Marmaraeschna*) S.America
- virens* Charpentier, 1840: 101.
 (syn. *viridis*)
- viridis* Eversmann, 1835: 127. Eurasia
 (= *virens*)
- walkeri* Kennedy, 1917: 52, 588. Mexico - S.W. USA
- williamsoniana* Calvert, 1905: 180. (sgen. *Hesperaeschna*) C.America
 (= *panamensis*)
- wittei* Fraser, 1955: 38, 15. C.Africa
- wnukowskii* Belyshev, 1973: 16, 26.
 (ssp. of *crenata*) Russia
- 3.1.1.1.(1).2. *Amphiaeschna* Selys, 1871
- **amplia* Rambur, 1842: 195, (Aeshna). Java
 (has ssp. *basitincta*)

- 3.1.1.1.(1).2. *basitincta* Lieftinck, 1940: 17, 385. Sumatra
 (ssp. of *ampla*)
- 3.1.1.1.(1).3. *Castoraeschna* Calvert, 1952
- **castor* Brauer, 1864: 14, 906. (*Aeshna*). S.America
 - colorata* Martin, 1908: 18, 58. Brasil
 - coronata* Ris, 1918: 82, 172. S.America
 - decurvata* Dunkle & Cook, 1984: 13, 107. Argentina
 - januaria* Hagen, 1867: 17, 51. C. & S.America
 - longfieldae* Kimmmins, 1929: 3, 489. Brasil
 - margaretha* Jurzitz, 1979: 8, 325. Brasil
- 3.1.1.1.(1).4. *Coryphaeschna* Williamson, 1903
 (incl. *Remartinia* Navas, 1911)
- abboti* Hagen, 1863: 24, 373.
 (syn. *ingens*)
 - adnexa* Hagen, 1861: 127. C. & S.America
 (= *macromia*)
 - barbiellina* Navas, 1911: 8, 480.
 (syn. *luteipennis*)
 - excisa* Brauer, 1865: 15, 906.
 (syn. *luteipennis*)
 - florida* Hagen, 1861: 125. Mexico
 (ssp. of *luteipennis*)
 - **ingens* Rambur, 1842: 192, (*Aeshna*). N. to C.America
 (= *abboti*)
 - luteipennis* Burmeister, 1839: 2, 837. N. & S.America
 (= *barbiellina*; = *excisa*; has ssp.
florida & *peninsularis*)
 - macromia* Brauer, 1865: 15, 906.
 (syn. *adnexa*)
 - peninsularis* Calvert, 1941: 34, 395. California
 (ssp. of *luteipennis*)
 - perrensi* McLachlan, 1887: 24, 76. C. & S.America
 (= *rufina*)
 - rufina* Hagen, 1875: 38.
 (syn. *perrensi*)
 - rufipennis* Kennedy, 1941: 34, 397. Peru
 - secreta* Calvert, 1952: 63, 262. Mexico-Cuba
 - virens* Rambur, 1842: 193.
 (syn. *viriditas*)
 - viriditas* Calvert, 1952: 63, 264. N.C. & S.America
 (= *virens*)
- 3.1.1.1.(1).--. *Hesparaeschna* Cockerell, 1913
 (sgen. of *Aeshna*)
- 3.1.1.1.(1).5. *Indaeschna* Fraser, 1926
- baluga* Needham & Gyger, 1937: 63, 44. Luzon

- 3.1.1.1.(1).5. **grubaueri* Foerster, 1904: 355. Malaysia
 (= *perampla*)
- perampla* Martin, 1909: 19, 115.
 (syn. *grubaueri*)
- 3.1.1.1.(1).-- Marmaraeschna Calvert, 1952
 (sgen. of *Aeshna*)
- 3.1.1.1.(1).-- Neureclipa Navas, 1911
 (sgen. of *Aeshna*)
- 3.1.1.1.(1).6. Oreaeschna Lieftinck, 1937
 dictatrix Lieftinck, 1937: 1, 359. New Guinea
- 3.1.1.1.(1).-- Rhionaeschna Foerster, 1909
 (sgen. of *Aeshna*)
- 3.1.1.1.(1).-- Schizuraeschna Calvert, 1952
 (sgen. of *Aeshna*)
- 3.1.1.1.(2). Anactini. Often blue and green enamel-like colours. Hind wing usually rounded at base in both sexes and then with no ocelllets on segment 2. Riii abruptly bends towards stigma. Anal triangle absent (except *Anaciaeschna*).
- 3.1.1.1.(2).1. Anaciaeschna Selys, 1878
 (incl. *Protoaeschna* Foerster, 1908)
 antehumeralis Schmidt, 1951: 13. Asia Minor
 (ssp. of *isosceles*)
- chrysophthalmus Charpentier, 1825: 33.
 (syn. *isosceles*)
- donaldi Fraser, 1922: 28, 482. India
- huonensis Fraser, 1926: 8, 473.
 (syn. *megalopis*)
- isosceles Mueller, 1767: 3, 125. Eurasia
 (= *chrysophthalmus*; = *rufescens*;
 has ssp. *antehumeralis*)
- *jaspidea Burmeister, 1839: 2, 480, (*Aeshna*). E. Asia to
 (= *pseudochiriri*; = *tahitensis*) Oceania
- kashmirensis Singh & Baijal, 1954: 3, 388. India
- martini Selys, 1897: 41, 431. Japan
- megalopis Martin, 1908: 18, 31. New Guinea
 (= *huonensis*)
- melanostoma Lieftinck, 1949: 20, 354. Solomon Is.
- moluccana Lieftinck, 1930: 7, 316. Moluccas
- montivagans Lieftinck, 1932: 1, 251. Java
- pseudochiriri Foerster, 1908: 52, 217.
 (syn. *jaspidea*)
- rufescens Van der Linden, 1825: 27.
 (syn. *isosceles*)
- tahitensis Brauer, 1865: 15, 907.
 (syn. *jaspidea*)

- 3.1.1.1.(2).1. *triangulifera* McLachlan, 1895: 17, 409. Africa & Madagascar
- 3.1.1.1.(2).2. *Anax* Leach, 1815
- amazili* Burmeister, 1839: 2, 841. S.America to S.USA
(= *maculatus*)
 - azurea* Charpentier, 1825: 31.
(syn. *imperator*)
 - bacchus* Hagen, 1867: 17, 48.
(syn. *parthenope*)
 - bangweuluensis* Kimmins, 1955: 88, 110. Botswana-Zambia
 - celebense* Lieftinck, 1942: 18, 595. Celebes
(ssp. of *fumosus*)
 - chloromelas* Ris, 1911: 55, 320. C. & W.Africa
 - concolor* Brauer, 1865: 15, 508. C. & S.America
 - congoliath* Fraser, 1953: 48, 301. Congo
(has ssp. *lisomboae*)
 - dorsalis* Burmeister, 1839: 2, 840.
(syn. *imperator*)
 - dubius* Lacroix, 1921: 67, 45. Korea
 - formosus* Van der Linden, 1823: 4, 158.
(syn. *imperator*)
 - fumosus* Hagen, 1867: 17, 42. Ternate(Moluccas)
(has ssp. *celebense*)
 - georgius* Selys, 1872: 23, 179. Timor or Natal
 - geyri* Buchholz, 1955: 1, 129. Spain
(ssp. of *parthenope*)
 - gibbosulus* Rambur, 1842: 187. Australasia
 - goliath* Selys, 1872: 23, 178.
(syn. *tristis*)
 - goliathus* Fraser, 1922: 28, 900.
(syn. *guttatus*)
 - guttatus* Burmeister, 1839: 2, 840. Oriental
(= *goliathus*; = *magnus*)
 - immaculifrons* Rambur, 1842: 189. India
 - **imperator* Leach, 1815: 9, 137. E.Old World
(= *azurea*; = *dorsalis*; = *formosus*;
= *lunatus*; = *mauricianus*)
 - indicus* Lieftinck, 1942: 18, 589. India
 - jordansi* Buchholz, 1955: 1, 129. Balkans
(ssp. of *parthenope*)
 - julius* Brauer, 1865: 17, 508. E.Asia
(ssp. of *parthenope*)
 - junius* Drury, 1773: 1, 47.
(= *spiniferus*) N. & C.America
 - lisomboae* Pinhey, 1962: 26B, 908.
(ssp. of *congoliath*) Rhodesia

3.1.1.1.(2).2.	<i>longipes</i> Hagen, 1861: 118.	N. & C. America
	<i>lunatus</i> Kolenati, 1856: <u>29</u> , 499. (syn. <i>imperator</i>)	
	<i>maclachlani</i> Foerster, 1898: <u>21</u> , 290.	E. New Guinea
	<i>maculatus</i> Rambur, 1824: 188. (syn. <i>amazili</i>) ^	
	<i>magnus</i> Rambur, 1842: 188. (syn. <i>guttatus</i>)	
	<i>major</i> Goetz, 1923: <u>13</u> , 36. (ssp. of <i>parthenope</i>)	Anatolia
	<i>marginope</i> Baijal & Agarwal, 1955: <u>4</u> , 453.	India
	<i>mauricianus</i> Rambur, 1842: 184. (syn. <i>imperator</i>)	
	<i>nigrofasciatus</i> Oguma, 1915: <u>1</u> , 120. (has ssp. <i>nigrolineatus</i>)	E. Asia
	<i>nigrolineatus</i> Fraser, 1935: <u>10</u> , 23. (ssp. of <i>nigrofasciatus</i>)	Himalayas
	<i>panybeus</i> Hagen, 1867: <u>17</u> , 42.	Celebes
	<i>parisinus</i> Rambur, 1842: 185. (syn. <i>parthenope</i>)	
	<i>parthenope</i> Selys, 1839: <u>6</u> , 389. (= <i>bacchus</i> ; = <i>parisinus</i> ; has ssp. <i>geyri</i> ; <i>jordansi</i> ; <i>julius</i> ; <i>major</i>)	Old World
	<i>piraticus</i> Kennedy, 1934: <u>27</u> , 346.	Guam
	<i>pugnax</i> Lieftinck, 1942: <u>18</u> , 695.	W. New Guinea
	<i>rutherfordi</i> McLachlan, 1883: <u>20</u> , 128. (syn. <i>speratus</i>)	
	<i>selysi</i> Foerster, 1900: <u>23</u> , 88.	N.E. New Guinea
	<i>speratus</i> Hagen, 1867: <u>17</u> , 46. (= <i>rutherfordi</i>)	Africa
	<i>spiniferus</i> Rambur, 1842: 186. (syn. <i>junius</i>)	
	<i>strenuus</i> Hagen, 1867: <u>17</u> , 34.	Hawaii
	<i>tristis</i> Hagen, 1867: <u>17</u> , 35. (= <i>goliath</i>)	Africa
	<i>tumorifer</i> McLachlan, 1885: <u>21</u> , 250.	Madagascar
	<i>validus</i> Hagen, 1873: 32. (syn. <i>walsinghami</i>)	
	<i>walsinghami</i> McLachlan, 1882: <u>20</u> , 127. (= <i>validus</i>)	C. America to S.W. USA

3.1.1.1.(2).3. *Hemianax* Selys, 1883

- congener* Rambur, 1842: 191
(syn. *papuensis*)
- mediterraneus* Selys, 1839: 6, 391.
(syn. *ephippiger*)

- 3.1.1.1.(2).3. *papuensis* Burmeister, 1839: 2, 841. *Austrogynacantha*
 (= congener)
- **ephippiger* Burmeister, 1839: 2, 840, (*Aeshna*).
 (= *mediterraneus*; = *senegalensis*) S.W.Old World
- senegalensis* Rambur, 1842: 190.
 (syn. *ephippiger*)
- 3.1.1.1.(3). *Gynacanthini*. Long abdomen, very large eyes. Hind wing of male angulated at base. Rili not bent towards stigma; anal triangle present. Oreilletts on segment 2 of male. Female with dentigerous plate produced into 2 or 3 long robust spines projecting under segment 10. All the World's tropics; mainly crepuscular.
- 3.1.1.1.(3).1. *Agyrtacantha* Lieftinck, 1937
- angulata* Foerster, 1900: 23, 96.
 (syn. *microstigma*)
- **dirupta* Karsch, 1889: 15, 236, (*Triacanthagyna*). E. Indies
 (= *foersteri*; = *reticulata*) to Australia
- foersteri* Martin, 1909: 19, 154.
 (syn. *dirupta*)
- microstigma*-Selys, 1878: 3, 295. Moluccas
 (= *angulata*)
- othello* Lieftinck, 1942: 18, 571. N.New Guinea
- reticulata* Fraser, 1926: 8, 478.
 (syn. *dirupta*)
- tumidula* Lieftinck, 1937: 1, 345. N.New Guinea
- 3.1.1.1.(3).2. *Austrogynacantha* Tillyard
- heterogena* Tillyard, 1908: 33, 423. Australia to New Caledonia
- 3.1.1.1.(3).3. *Gynacantha* Rambur, 1842
 (= *Acanthagyna* Kirby 1890;
 incl. *Selysiophlebia* Foerster, 1904)
- adela* Martin, 1909: 20, 174. S.America
 (= *martini*)
- africana* Palisot de Beauvois, 1807: 67. W.Africa
- albistyla* Fraser, 1927: 29, 75. India
- alcathoe* Lieftinck, 1961: 42, 145. Mindanao
- apiaensis* Fraser, 1927: 7, 35. Samoa
- apicalis* Fraser, 1924: 8, 83. N.India
- aratrix* Foerster, 1904: 75. Paraguay
- arsinoe* Lieftinck, 1948: 19, 422. Talaud
- arthuri* Lieftinck, 1953: 64, 177. Sumba Is.
- auricularis* Martin, 1909: 20, 176. C. & S.America
- bainbriggei* Fraser, 1922: 7, 75. Assam
- basiguttata* Selys, 1882: 11, 20. Borneo
 (= *javica*)

3.1.1.1.(3).3.	bayadera Selys, 1892: <u>30</u> , 483. (= lyttoni)	E.Asia
	bifida Rambur, 1842: 213.	S.America
	biharica Fraser, 1927: <u>29</u> , 74.	India
	bispina Rambur, 1842: 211.	Mauritius
	bullata Karsch, 1891: <u>17</u> , 282. (has form elongata)	W.Africa
	burmana Lieftinck, 1960: <u>38</u> , 248.	Burma
	calliope Lieftinck, 1953: <u>22</u> , 260.	Waigeo Is.
	calypso Ris, 1919: <u>13</u> , 108.	Ceram
	caudata Karsch, 1891: <u>6</u> , 121.	Ecuador
	chelifera McLachlan, 1895: <u>17</u> , 416.	Brasil
	convergens Foerster, 1908: <u>52</u> , 214. (= limai)	Argentina
	croceipennis Martin, 1897: <u>66</u> , 597.	Bolivia
	cylindrata Karsch, 1891: <u>17</u> , 282. (= lindratacy)	W.Africa
	demeter Ris, 1911: <u>55</u> , 245.	Borneo
	dobsoni Fraser, 1951: <u>87</u> , 307.	N.E.Australia
	dohrni Krueger, 1898: <u>59</u> , 278.	Malaysia
	dravida Lieftinck, 1906: <u>38</u> , 252. (= hyalina Fraser)	India
	elongata Fraser, 1957: <u>55</u> , 339. (form of bullata)	
	ereagris Gundlach, 1888, <u>2</u> , 243.	Cuba
	flavipes Fraser, 1956: <u>54</u> , 386.	Congo
	fulvia Fraser, 1926: <u>8</u> , 472. (syn. kirbyi)	
	furcata Rambur, 1842: 210. <i>s' bayadera</i>	Borneo
	gracilis Burmeister, 1839: <u>2</u> , 837.	C. & S.America
	hanumana Fraser, 1922: <u>1</u> , 76. (syn. subinterrupta)	
	helenga Williamson & Williamson, 1930: <u>218</u> , 1.	C.America
	hova Fraser, 1956: <u>1</u> , 10.	Madagascar
	hyalina Fraser, 1922: <u>28</u> , 910. (syn. dravida)	
	hyalina Selys, 1882: <u>11</u> , 19.	Luzon
	immaculifrons Fraser, 1956: <u>54</u> , 385.	Congo
	incisura Fraser, 1935: <u>37</u> , 325.	S'ian States
	interioris Williamson, 1923: <u>9</u> , 46.	S.America
	japonica Bartenev, 1909: 7.	Japan
	javica Fraser, 1926: <u>8</u> , 479. (syn. basiguttata)	

3.1.1.1.(3).3.	jessei Williamson, 1923: <u>9</u> , 33.	S.America
	jubilaris Navas, 1915: <u>11</u> , 3. (syn. membranalis)	
	khasiaca McLachlan, 1895: <u>17</u> , 202. (form of nigripes)	India
	kirbyi Krueger, 1898: <u>59</u> , 278. (= fulvia)	New Guinea
	klagesi Williamson, 1923: <u>9</u> , 36.	S.America
	laticeps Williamson, 1923: <u>9</u> , 26.	C. & S.America
	lieftincki Compte Sart, 1964: <u>62</u> , 15.	W.Africa
	limai Navas, 1916: <u>2</u> , 71. (syn. convergens)	
	limbalis Karsch, 1892: <u>18</u> , 252.	Java
	lindratacy le Roi, 1915: <u>1</u> , 348. (syn. cylindrata)	
	litoralis Williamson, 1923: <u>9</u> , 44.	S.America
	lyttoni Fraser, 1926: 31. (syn. bayadera)	
	maclachlani Krueger, 1898: <u>59</u> , 278.	Borneo
	maesi Schouteden, 1917: <u>5</u> , 104. (syn. sextans)	
	malgassica Fraser, 1962: <u>65</u> , 21.	Madagascar
	manderica Gruenberg, 1902: 234.	Africa
	martini Navas, 1911: <u>8</u> , 478. (syn. adela)	
	membranalis Karsch, 1891: <u>17</u> , 281. (= jubilaris)	C. & S.America
	mexicana Selys, 1869: <u>11</u> , 69.	C. & S.America
	millardi Fraser, 1920: <u>27</u> , 147. (syn. Aeshna annulata)	
	mocsaryi Foerster, 1898: <u>21</u> , 292. Malaysia to N.Australia (= simillima)	
	musa Karsch, 1891: <u>17</u> , 3.	E.Indies
	nausicaa Ris, 1919: <u>13</u> , 109.	Celebes
	*nervosa Rambur, 1842: 213. (= robusta)	S.America to S.USA
	nigeriensis Gambles, 1956: <u>92</u> , 194.	Nigeria
	nigripes McLachlan, 1883: <u>27</u> , 128. (has form khasiaca)	Tibet
	nympha Navas, 1932: <u>29</u> , 193.	Brasil
	ochraceipes Pinhey, 1960: <u>24</u> , 511.	Tanganyika
	odoneli Fraser, 1922: <u>28</u> , 700.	India
	pasiphae Lieftinck, 1948: <u>19</u> , 420.	Halmahera

3.1.1.1.(3).3.	penelope Ris, 1919: <u>13</u> , 110. phaeomeria Lieftinck, 1960: <u>38</u> , 253. quadrina McLachlan, 1895: <u>17</u> , 414. (syn. vesiculata) radama Fraser, 1956: <u>1</u> , 9. rammohani Mitra & Lahiri, 1975: <u>87</u> , 148. remartinia Navas, 1934: <u>30</u> , 133. risi Laidlaw, 1931: <u>16</u> , 205. robusta Kolbe, 1888: <u>54</u> , 170. (syn. nervosa) rosenbergi Brauer, 1867: <u>17</u> , 295. rotundata Navas, 1929: <u>13</u> , 31. ryukyuensis Asahina, 1962: <u>5</u> , 8. saltatrix Martin, 1909: <u>20</u> , 194. schultzei le Roi, 1915: <u>1</u> , 347. (syn. sextans) sevastopuloi Pinhey, 1961: 100. sextans McLachlan, 1895: <u>17</u> , 413. (= maesi; = schultzei) simillima Foerster, 1900: <u>23</u> , 98. (syn. mocsaryi) stenoptera Lieftinck, 1934: <u>3</u> , 256. stevensonii Fraser, 1927: <u>7</u> , 36. stylata Martin, 1896: <u>9</u> , 106. subinterrupta Rambur, 1842: 212. (= hanumana) subviridis Selys, 1850: 129. tenuis Martin, 1909: <u>20</u> , 175. tibiata Karsch, 1891: <u>6</u> , 121. usambarica Sjoestedt, 1909: 36. vesiculata Karsch, 1891: <u>20</u> , 182. (= quadrina) victoriae Pinhey, 1961: 101. villosa Gruenberg, 1902: 233. zuluensis Balinsky, 1961: <u>24</u> , 79.	Celebes Thailand Colombia Malaysia Madagascar India E.Indies/Australia India Ryukyu Is. Indochina Uganda W.Africa Java Tonga Is. Seychelles S.E.Asia/E.Indies Brasil S.America C. & S.America E.Africa W.Africa Uganda E.Africa Zululand
3.1.1.1.(3).4.	Heliaeschna Selys, 1882 (incl. Malayaeschna Foerster, 1909) bartelsi Lieftinck, 1940: <u>17</u> , 386. beesonii Fraser, 1922: <u>28</u> , 901. (ssp. of uninervulata) crassa Krueger, 1898: <u>59</u> , 325. cynthiae Fraser, 1939: <u>8</u> , 89.	Borneo Burma N.Borneo Uganda

- 3.1.1.1.(3).4. *filostyla* Martin, 1909: 20, 165.
 (= *gladiostyla*) Celebes
- **fuliginosa* Karsch, 1893: 19, 194. W.Africa
- gladiostyla* Martin, 1909: 20, 166.
 (syn. *filostyla*)
- idae* Brauer, 1865: 15, 908. Borneo
- lanceolata* le Roi, 1915: 1, 346. Congo
- libyana* Fraser, 1928: 76, 136. Uganda
- longfieldae* Gamble, 1967: 85, 200. Cameroons
- raymondi* Compte Sart, 1967: 10. Guinea
- sembe* Pinhey, 1962: 25, 39. Congo
- simplicia* Karsch, 1891: 17, 282.
 (= *vanderweelei*) Malaysia
- trinervulata* Fraser, 1955: 38, 16. C.Africa
- ugandica* McLachlan, 1895: 17, 419. Uganda
- ukerewensis* Pinhey, 1961: 103. E.Africa
- uninervulata* Martin, 1909: 20, 163.
 (has ssp. *beesonii*) Malaysia
- vanderweelei* Martin, 1909: 20, 160.
 (syn. *simplicia*)
- 3.1.1.1.(3).5. *Limnetron* Foerster, 1907
- antarcticum* Foerster, 1907: 24, 163.
 (syn. *debile*) S.America
- **debile* Karsch, 1891: 17, 286.
 (= *antarcticum*; = *viridivittata*)
- viridivittata* Fraser, 1947: 4, 447.
 (syn. *debile*)
- 3.1.1.1.(3).6. *Neuraeschna* Hagen, 1867
- calverti* Kimmins, 1951: 62, 43. Peru
- claviforcipata* Martin, 1909: 20, 206. Amazon
- **costalis* Burmeister, 1839: 2, 837, (*Aeschna*). S.America
 (= *ferox*)
- dentigera* Martin, 1909: 20, 207. Surinam
- ferox* Erichson, 1848: 3, 585.
 (syn. *costalis*)
- harpya* Martin, 1909: 20, 206. S.America
- inarmata* Kimmins, 1951: 62, 46. Guiana
- mina* Williamson & Williamson, 1930: 218, 9. Brasil
- producta* Kimmins, 1933: 66, 226. Peru
- rostrifera* Martin, 1909: 20, 208. Surinam
- 3.1.1.1.(3).7. *Plattycantha* Foerster, 1900
 (incl. *Cornacantha* Martin, 1909)
- acuta* Lieftinck, 1937: 1, 352. N. New Guinea

- 3.1.1.1.(3).7. **cornuta* Foerster, 1900: 23, 94, (*Karschia*). E.New Guinea
venatrix Lieftinck, 1937: 1, 355. N.New Guinea
- 3.1.1.1.(3).8. *Staurophlebia* Brauer, 1865
auca Kennedy, 1937: 30, 425. Ecuador
bosqui Navas, 1927: 2, 27. Argentina
gigantula Martin, 1909: 20, 211. S.America
gigas Rambur, 1842: 193.
 (syn. *reticulata*)
guatemalteca Walker, 1915: 47, 391.
 (ssp. of *reticulata*)
magnifica Brauer, 1895: 15, 907.
 (syn. *reticulata*)
obscura Walker, 1915: 47, 391.
 (ssp. of *reticulata*)
platyura Navas, 1920: 3, 90. Peru
*i*reticulata* Burmeister, 1839: 2, 837. C. & S.America
 (= *gigas*; = *magnifica*; has ssp.
guatemalteca & *obscura*)
wayana Geijskes, 1959: 3, 164. Surinam
- 3.1.1.1.(3).9. *Subaeschna* Martin, 1909
francesca Martin, 1909: 19, 153. Surinam
- 3.1.1.1.(3).10. *Tetraclanthagyna* Selys, 1883
 (incl. *Toaeschna* Foerster, 1905)
bakeri Campion & Laidlaw, 1928: 129. Luzon
brunnea McLachlan, 1898: 443. N.Borneo
degorsi Martin, 1895: 393. Borneo
fontinalis Foerster, 1905: 24, 24.
 (syn. *waterhousei*)
*i*plagiata* Waterhouse, 1877: 10, (*Gynacantha*). Borneo
 (= *vittata*)
quadrilateralis Fraser, 1927: 29, 70.
 (syn. *waterhousei*)
sumatrana Foerster, 1914: 80, 83.
 (syn. *waterhousei*)
vittata McLachlan, 1898: 440.
 (syn. *plagiata*)
waterhousei McLachlan, 1898: 443. S.E.Asia
 (= *fontinalis*; = *quadrilateralis*)
- 3.1.1.1.(3).11. *Triacanthagyna* Selys, 1883
caribbea Williamson, 1923: 9, 22. C. & S.America
dentata Geijskes, 1943: 54, 64. Surinam
ditzleri Williamson, 1923: 9, 19. C. & S.America
needhami Martin, 1909: 19, 149.
 (syn. *trifida*)

- 3.1.1.1.(3).11. *obscuripennis* Blanchard, 1843: 6, 217. S.America
 (? syn. *septima*)
- satyrus* Martin, 1909: 20, 177. C. & S.America
- septima* Selys, 1857: 460. C. & S.America
 (? = *obscuripennis*)
- **trifida* Rambur, 1842: 209, (Gynacantha). S.America to S.USA
 (= *needhami*)
- 3.1.1.1.(4). *Polycaanthagynini*. Hind wing of male angulated at base. Rii not bent towards stigma; anal trg present. Oreilletts on segment 2. Female with dentigerous plate having 4 or more robust spines.
- 3.1.1.1.(4).1. *Polycaanthagyna* Fraser, 1933
- **erythromelas* McLachlan, 1896: 17, 368, (Aeschna). S.E.Asia
 (has ssp. *paiwan*)
- melanictera* Selys, 1883: 27, 119. Japan
- paiwan* Asahina, 1951: 19, 20. Taiwan
 (ssp. of *erythromelas*)
- 3.1.1.2. *Brachytroninae*. Mostly coloured by blue and green enamel-like pigments. Riv and MA run in smooth curve, parallel to each other and to border of wing (slightly diverging at distal end).
- 3.1.1.2.(1). *Brachytronini*. IRIII symmetrially forked.
- 3.1.1.2.(1).1. *Acanthaeschna* Selys, 1883
- . *victoria* Martin, 1901: 14, 220. E.Australia
- 3.1.1.2.(1).2. *Aeschnophlebia* Selys, 1883
- anisoptera* Selys, 1883: 27, 123. Japan
- koltzoffi* Sjoestedt, 1925: 14, 2. China
- longistigma* Selys, 1883: 27, 122. Japan
- **optata* Selys, 1883: 27, 122. Japan
- zygoptera* Belyshev, 1965: 44, 1864. E. U.S.S.R.
- 3.1.1.2.(1).3. *Austroaeschna* Selys, 1883
 (incl. *Dromoaeschna* Foérster, 1908)
- anacantha* Tillyard, 1908: 32, 732. S.W.Australia
 (= *aspersa*)
- aspersa* Martin, 1909: 96.
 (syn. *anacantha*)
- atrata* Martin, 1909: 95. E.Australia
- flavomaculata* Tillyard, 1916: 33, 47. S.E.Australia
- forcipata* Tillyard, 1907: 31, 726. N.E.Australia
 (= *severini*)
- hardyi* Tillyard, 1917: 42, 461. Tasmania
- inermis* Martin, 1901: 14, 240. S.E.Australia
- intersedens* Martin, 1909: 19, 101.
- longissima* Martin, 1901: 14, 237.
 (syn. *unicornis unicornis*) Assam

- 3.1.1.2.(1).3. *muelleri* Theischinger, 1982: 87, 10. N.E.Australia
multipunctata Martin, 1901: 14, 238. S.E.Australia
obscura Theischinger, 1982: 87, 15. E.Australia
**parvistigma* Martin, 1901: 14, 220. S.E.Australia
pulchra Tillyard, in Martin, 1909: 91. E.Australia
severini Foerster, 1908: 52, 191.
 (syn. *forcipata*)
sigma Theischinger, 1982: 87, 21. E.Australia
speciosa Sjoestedt, 1917: 16, 18.
 (ssp. of *unicornis*) N.E.Australia
subapicalis Theischinger, 1982: 87, 24. E.Australia
tasmanica Tillyard, 1916: 33, 49. Tasmania
unicornis Selys, 1883: 52, 732.
 (= *longissima*; has ssp. *speciosa*) S.E.Australia
weiskei Foerster, 1908: 52, 192. N.E.Australia
- 3.1.1.2.(1).4. *Austrophlebia* Tillyard, 1916
costalis Tillyard, 1907: 31, 724, (Planaeschna).
 (= *Telephlebia macleayi*) E.Australia
- 3.1.1.2.(1).5. *Brachytron* Evans, 1854
aspis Harris, 1782: 27, 3.
 (syn. *pratense*)
hafniense Mueller, 1764: 61.
 (syn. *pratense*)
pilosa Charpentier, 1825: 37.
 (syn. *pratense*)
pratense Mueller, 1764: 64. Europe
 (= *aspis*; = *hafniense*; = *pilosa*;
 = *vernale*)
vernale Van der Linden, 1823: 159.
 (syn. *pratense*)
- 3.1.1.2.(1).6. *Caliaeschna* Selys, 1883
microstigma Schneider, 1845: 6, 113, (Aeshna). S.Eurasia
- 3.1.1.2.(1).7. *Cephalaeschna* Selys, 1883
 (incl. *Indophlebia* Fraser, 1935)
acutifrons Martin, 1909: 19, 110. India
 (= *asiatica*)
asiatica Fraser, 1936: 89.
 (syn. *acutifrons*)
biguttata Fraser, 1935: 37, 321.
 (syn. *viridifrons*)
chaoi Asahina, 1982: 25, 7. China
klapperichi Schmidt, 1961: 19, 416. Afghanistan to Nepal
klotsi Asahina, 1982: 25, 9. China

- 3.1.1.2.(1).7. masoni Martin, 1909: 19, 111. India-Nepal
 needhami Asahina, 1981: 24, 11. China
 obversa Needham, 1930: 11, 80. China
 *orbifrons Selys, 1883: 5, 739. India-Nepal
 patronum Needham, 1930: 11, 83. China
 risi Asahina, 1981: 24, 6. China
 triadica Lieftinck, 1976: 2, 31. Bhutan
 viridifrons Fraser, 1922: 28, 899. India-Nepal
 (= biguttata)
- 3.1.1.2.(1).8. Dendroaeschna Tillyard, 1907
 conspersa Tillyard, 1907: 31, 727. E.Australia
- 3.1.1.2.(1).9. Epiaeschna Hagen, 1877
 *heros Fabricius, 1798: 285, (Aeschna). Mexico-USA
 (= multicincta)
 multicincta Say, 1839: 8, 9.
 (syn. heros)
- 3.1.1.2.(1).10. Gynacanthaeschna Fraser, 1922
 lugubris Martin, 1909: 19, 110.
 (syn. sikkima)
- *sikkima Karsch, 1891: 17, 6, (Cephalaeschna). N.India-Nepal
 (= lugubris)
- 3.1.1.2.(1).11. Nasiaeasnna Foerster, 1900
 pentacantha Rambur, 1842: 208, (Aeshna). N.America
- 3.1.1.2.(1).12. Notoaeschna Tillyard, 1911
 geminata Theischinger, 1980: 87, 36. S.E.Australia
 *sagittata Martin, 1901: 19, 236, (Planaeschna). E.Australia
- 3.1.1.2.(1).13. Periaeasnna Martin, 1906
 assamensis Asahina, 1978: 46, 234. Assam
 (ssp. of flinti)
 flinti Asahina, 1978: 46, 242. China
 (has ssp. assamensis)
 laidlawi Foerster, 1908: 52, 213. Malaya
 lebasi Navas, 1930: 13, 30. India
 *magdalena Martin, 1909: 20, 157. China
 (has form nocturnalis?)
 mira Navas, 1936: 3, 40. China
 nocturnalis Fraser, 1927: 29, 71. Assam
 (form of magdalena ?)
 unifasciata Fraser, 1935: 10, 25. N.India-Nepal
- 3.1.1.2.(1).14. Petaliaeschna Fraser, 1927
 corneliae Asahina, 1982: 25, 14. China

- 3.1.1.2.(1).14. *fletcheri Fraser, 1927: 29, 73. Assam
 lieftincki Asahina, 1982: 25, 12. China
- 3.1.1.2.(1).15. Planaeschna McLachlan, 1895
 chiengmaiensis Asahina, 1981: 23, 11. Thailand
 ishigakiana Asahina, 1951: 19, 20. Ryukyu Is.
 *milnei Selys, 1883: 27, 120, (Aeschna). Japan
 (has ssp. orientalis)
 orientalis Kobayashi, 1941: 31, 401. Manchuria
 (ssp. of milnei)
 risi Asahina, 1964: 32, 301. Ryukyu Is.
 (has ssp. sakishimana)
 sakishimana Asahina, 1964: 32, 302. Ryukyu Is.
 (ssp. of risi)
 suichangensis Zhou & Wei, 1980: 2, 227. China
 taiwana Asahina, 1951: 19, 19. Taiwan
- 3.1.1.2.(1).16. Racinaeschna Calvert, 1958
 angustistrigis Calvert, 1958: 2, 230. Venezuela
- 3.1.1.2.(1).17. Spinaeschna Theischinger, 1982
 *tripunctata Martin, 1901: 14, 235, (Planaeschna). E.Australia
 watsoni Theischinger, 1982: 87, 42. N.E.Australia
- 3.1.1.2.(2). Gomphaeschnini. IRIII unforked, anal loop present.
- 3.1.1.2.(2).1. Allopatalia Selys, 1873
 *pustulosa Selys, 1873: 36, 511. S.America
 reticulosa Selys, 1873: 36, 514. S.America
 (= striatus)
 striatus Kirby, 1889: 299.
 (syn. reticulosa)
- 3.1.1.2.(2).2. Antipodophlebia Fraser, 1968
 asthenes Tillyard, 1916: 33, 41, (Telephlebia) N.E.Australia
- 3.1.1.2.(2).3. Basiaeschna Selys, 1883
 janata Say, 1839: 8, 13, (Aeschna). N.America
 (= minor)
 minor Rambur, 1842: 207.
 (syn. janata)
- 3.1.1.2.(2).4. Boyeria McLachlan, 1896
 (= Fonscolombia Selys, 1883)
 brachycerca Navas, 1919: 15, 9.
 (form of irene)
 grafiana Williamson, 1907: 18, 1. C. & E. of N.America
 *irene Fonscolombe, 1838: 1, 93, (Aeschna). S.Europe
 (has form brachycerca)

- 3.1.1.2.(2).4. *maclachlani* Selys, 1883: 27, 126. Japan
quadriguttata Burmeister, 1839: 2, 837.
(syn. *vinosa*)
- sinensis* Asahina, 1978: 46, 234. China
- vinosa* Say, 1839: 8, 13. N.America
(= *quadriguttata*)
- 3.1.1.2.(2).5. *Gomphaeschna* Selys, 1871
antilope Hagen, 1874: 16, 354. USA
**furcillata* Say, 1839: 8, 391, (*Aeschna*). N.America
(= *quadrifida*)
- quadrifida* Rambur, 1842: 209.
(syn. *furcillata*)
- 3.1.1.2.(2).6. *Linaeschna* Martin, 1909
polli Martin, 1909: 19, 136. N.W. Borneo
- 3.1.1.2.(2).7. *Oligoaeschna* Selys, 1889
(= *Jagoria* Karsch, 1889;
incl. *Dolaeschna* Needham, 1907)
andamani Chhotani, 1983: 80, 482. Andaman Is.
amata Foerster, 1903: 20, 1. Brunei
buehri Foerster, 1903: 20, 2. Brunei
decorata Lieftinck, 1968: 111, 158. Assam
elacatura Needham, 1907: 23, 143. S.E. Borneo
foliacea Lieftinck, 1968: 111, 169. W. Borneo
khasiana Lieftinck, 1968: 111, 156. Assam
kunigamiensis Ishida, 1972: 7, 2. Ryukyu Is.
martini Laidlaw, 1921: 22, 76. India
(= *nigripes*)
- *
- modiglianii*
- Selys, 1889:
- 27
- , 471. Nias Is.
-
- mutata*
- Lieftinck, 1940:
- 17
- , 381. E. Borneo
-
- nigripes*
- Navas, 1931:
- 5
- , 12.
-
- (syn.
- martini*
-)
- petalura* Lieftinck, 1968: 111, 175. Hainan
platyura Lieftinck, 1940: 17, 378. E. Borneo
poeciloptera Karsch, 1889: 15, 238. Luzon
pryeri Martin, 1909: 19, 134. Japan
pyanan Asahina, 1951: 19, 19. Taiwan
sumatrana Lieftinck, 1953: 22, 253. W. Sumatra
uropetala Lieftinck, 1968: 111, 171. N.E. Sumatra
venatrix Foerster, 1903: 20, 2. Buton Is.
venusta Lieftinck, 1968: 111, 168. E. Borneo
zambo Needham & Gyger, 1937: 63, 40. Mindanao

- 3.1.1.2.(2).8. *Oploonaeschna* Selys, 1883
 (= *Hoploonaeschna* Karsch, 1889)
armata Hagen, 1861: 12⁴, (Aeshna). C.America to S.USA
 (= *polemiata*)
polemiata Navas, 1918: 13, 156.
 (syn. *armata*)
- 3.1.1.2.(2).9. *Telephlebia* Selys, 1883
brevicauda Tillyard, 1916: 33, 34. S.E.Australia
 (ssp. of *godeffroyi*)
cyclops Tillyard, 1916: 33, 36. E.Australia
**godeffroyi* Selys, 1883: 5, 741. E.Australia
 (has form *hyalina*?; has ssp. *brevicauda*)
hyalina Tillyard, 1916: 34.
 (form of *godeffroyi*?)
macleayi Martin, 1909: 142.
 (syn. *Austrophlebia costalis*)
mjobergi Sjoestedt, 1917: 11, 21. Queensland
tillyardi Campion in Tillyard, 1916: 3, 79. Queensland
tryoni Tillyard, 1917: 42, 459. E.Australia
- 3.1.2. Gomphidae. Eyes widely separated. Trgs fairly short, slightly longer in hind wing; subtriangles in all wings; median space free; anal loop more or less absent. No ovipositor. Generally black with yellow or green coloration (no blue or red pigments). Border of labium entire.
- 3.1.2.1. Gomphinae. Medium sized species. Trg simple, different in fore and hind wings and no supplementary vein arising from their distal side; anal triangle usually of 3 cells; no anal loop. Male inferior anal appendages short and divaricate.
- 3.1.2.1.(1). Gomphini. Only defined (thus far) by the absence of characters of *Onychogomphini*.
- 3.1.2.1.(1).1. *Agriogomphus* Selys, 1869
 (= *Ischnogomphus* Williamson, 1918)
aquicola Fraser, 1943: 12, 165.
 (syn. *sylvicola*)
ericae Belle, 1966: 39. Surinam
jessei Williamson, 1918: 52, 10. S.America
**sylvicola* Selys, 1869: 28, 190. S.America
 (= *aquicola*)
tumens Calvert, 1905: 169. C.America
- 3.1.2.1.(1).2. *Anisogomphus* Selys, 1857
amurensis Bartenev, 1930: 24, 116.
 (syn. *maacki*)
anderi Lieftinck, 1948: 13, 59. China
caudalis Fraser, 1926: 31, 423. Assam

- 3.1.2.1.(1).2. *emarginatus* Okumura, 1937: 11, 124.
 (syn. *maacki*)
- flavifacies* Klots, 1947: 1341, 7. Yunnan
- forresti* Morton, 1928: 76, 113. Yunnan
- koxingai* Chao, 1954: 4, 217. China
- maacki* Selys, 1872: 15, 33. E.Asia
 (= *amurensis*; = *emarginatus*; = *m-flavum*)
- m-flavum* Selys, 1878: 451. E.Asia
 (syn. *maacki*)
- **occipitalis* Selys, 1854: 21, 45, (Gomphus). India
- orites* Laidlaw, 1922: 24, 393. Assam
 (= *stevensi*)
- solitaris* Lieftinck, 1970: 1, 198. Sri Lanka
- stevensi* Fraser, 1923: 29, 61. (syn. *orites*)
- vulvalis* Yousuf & Yunus, 1977: 29, 59. Pakistan
- wuzhishanus* Chao, 1982: 4, 287. China
- 3.1.2.1.(1).3. *Anormogomphus* Selys, 1854
- exilocorpus* Yousuf & Yunus, 1977: 29, 56. Pakistan
- **heteropterus* Selys, 1854: 21, 61. India
- kiritschenkoi* Bartenev, 1913: 13, 179. Buchara
- 3.1.2.1.(1).4. *Antipodogomphus* Fraser, 1951
- acolythus* Martin, 1901: 19, 233. E.Australia
 (= *manifestus*)
- arenarius* Tillyard, 1906: 30, 549. (syn. *proselythus*)
- hodgkini* Watson, 1969: 17, 94. N.W.Australia
- manifestus* Tillyard, 1909: 34, 248. (syn. *acolythus*)
- neophytus* Fraser, 1958: 1956-7, 71. N.Australia
- **proselythus* Martin, 1901: 19, 233, (*Austrogomphus*). N.Australia
 (= *arenarius*)
- 3.1.2.1.(1).5. *Archaeogomphus* Williamson, 1919
- densus* Belle, 1982: 125, 37. S.America
- furcatus* Williamson, 1923: 34, 2. C. & S.America
- **hamatus* Williamson, 1918: 59, 4, (*Agriogomphus*). S.America
- infans* Ris, 1916: 22, 72. Brasil
- nanus* Needham, 1944: 69, 176. S.America
- 3.1.2.1.(1).6. *Arigomphus* Needham, 1897
 (= *Orcus* Needham, 1897)
- cornutus* Tough, 1900: 1, 17. N.America
 (= *whedoni*)
- furcifer* Selys, 1878: 46, 458. N.America

- 3.1.2.1.(1).6. *lentulus* Needham, 1902: 34, 275. C.USA
 (= *subapicalis*)
- maxwelli* Ferguson, 1950: 18, 93. S.USA
- **pallidus* Rambur, 1842: 163, (*Orcus*). C. & S.USA
 (= *pilipes*)
- pilipes* Selys, 1857: 145.
 (syn. *pallidus*)
- subapicalis* Williamson, 1914: 25, 54.
 (syn. *lentulus*)
- submedianus* Williamson, 1914: 25, 54. USA
- **villosipes* Selys, 1854: 21, 53. N.America
- whedoni* Muttkowsky, 1913: 10, 167.
 (syn. *cornutus*)
- 3.1.2.1.(1).7. *Austroepigomphus* Fraser, 1951
- melaleucae* Tillyard, 1909: 34, 241.
 (syn. *praeruptus*)
- **praeruptus* Selys, 1857: 395, (*Onychogomphus*). E.Australia
 (= *melaleucae*)
- 3.1.2.1.(1).8. *Austrogomphus* Selys, 1854
- amphiclitus* Selys, 1873: 35, 757. E.Australia
 (= *risi*)
- angeli* Tillyard, 1913: 38, 233. S.E.Australia
- arbustorum* Tillyard, 1906: 30, 547. N.Australia
- australis* Selys, 1854: 21, 65. S.E.Australia
- bifurcatus* Tillyard, 1909: 34, 244. N.E.Australia
- collaris* Selys, 1854: 21, 64. S.W.Australia
- doddi* Tillyard, 1909: 34, 249. N.E.Australia
- gordoni* Watson, 1962: 1, 13. N.W.Australia
- **guerini* Rambur, 1842: 162, (*Gomphus*). S. & E.Australia
- lateralis* Selys, 1873: 36, 501. S.W.Australia
 (= *occidentalis*)
- mjoebergi* Sjoestedt, 1917: 11, 11. N.W.Australia
- occidentalis* Tillyard, 1908: 32, 729.
 (syn. *lateralis*)
- ochraceus* Selys, 1869: 28, 187. S.E.Australia
- prasinus* Tillyard, 1906: 30, 552. N.E.Australia
- pusillus* Sjoestedt, 1917: 11, 13. N.W.Australia
- risi* Martin, 1901: 19, 232.
 (syn. *amphiclitus*)
- turneri* Martin, 1901: 19, 230. N. & E.Australia
- 3.1.2.1.(1).9. *Burmagomphus* Williamson, 1907
- **arboreus* Lieftinck, 1940: 22, 111. Burma
 (= *williamsoni* Fraser)

3.1.2.1.(1).9.	arthuri Lieftinck, 1953: <u>22</u> , 251.	S.E.Borneo
	arvalis Needham, 1930: <u>11</u> , 58.	China
	austrosundanus Lieftinck, 1964: <u>69</u> , 25. (ssp. of williamsoni Foerster)	Sumba
	campestris Needham, 1930: <u>11</u> , 57. (= collaris; = sowerbyi)	China
	cauvericus Fraser, 1926: <u>31</u> , 413.	India
	collaris Needham, 1930: <u>11</u> , 60. (syn. campestris)	
	divaricatus Lieftinck, 1964: <u>69</u> , 26.	Malaya
	dolus Needham, 1930: <u>11</u> , 58.	China
	gratiosus Chao, 1954: <u>4</u> , 79.	China
	hasimanicus Fraser, 1926: <u>31</u> , 411.	India
	inscriptus Selys, 1879: <u>56</u> , 423. (= jacobsoni)	Java
	insularis Laidlaw, 1914: 55.	N.Borneo
	intinctus Needham, 1930: <u>11</u> , 65.	China
	jacobsoni Ris, 1912: <u>55</u> , 162. (syn. inscriptus)	
	javicus Schmidt, 1934: <u>13</u> , 368. (ssp. of williamsoni Foerster)	Java
	johnseni Lieftinck, 1966: <u>34</u> , 193.	Thailand
	kreyenberghi Ris, 1928: <u>17</u> , 273.	China
	laidlawi Fraser, 1924: <u>26</u> , 476.	India
	minusculus Selys, 1878: <u>46</u> , 468.	Burma
	plagiatus Lieftinck, 1964: <u>69</u> , 29.	Malaya
	pyramidalis Laidlaw, 1922: <u>24</u> , 400. (has ssp. sinuatus)	India
	seimundi Laidlaw, 1931: <u>16</u> , 212. (syn. williamsoni Foerster)	
	siamensis Fraser, 1926: <u>31</u> , 411 (syn. williamsoni Foerster)	
	sinuatus Fraser, 1933: <u>18</u> , 33. (ssp. of pyramidalis)	Ceylon
	sivalikensis Laidlaw, 1922: <u>28</u> , 401.	N.India
	sowerbyi Needham, 1930: <u>11</u> , 59. (syn. campestris)	
	v-flavum Fraser, 1926: <u>31</u> , 414.	Burma
	vermicularis Martin, 1904: <u>3</u> , 214.	Indochina
	williamsoni Foerster, 1914: <u>80</u> , 15. (= seimundi; = siamensis; has ssp. austrosundanus & javicus)	Malaya
	williamsoni Fraser, 1926: <u>31</u> , 410. (syn. arboreus)	

- 3.1.2.1.(1).10. *Ceratogomphus Selys*, 1854
- **pictus* Selys, 1854: 1, 93. S.Africa
 - triceraticus* Balinsky, 1963: 26, 252. S.Africa
- 3.1.2.1.(1).11. *Cornigomphus Martin*, 1907
- guineensis* Martin, 1907: 1, 425. W.Africa
- 3.1.2.1.(1).12. *Crenigomphus Selys*, 1892
- (= *Bursigomphus Martin*, 1912;
= *Dentigomphus Martin*, 1912)
 - abyssinicus* Selys, 1878: 46, 426. Abyssinia
 - cornutus* Pinhey, 1956: 21B, 83. S.C.Africa
 - **denticulatus* Selys, 1892: 36, 97. Africa
(has ssp. *occidentalis*)
 - hartmanni* Foerster, 1898: 24, 166. Transvaal
(= *pardus*)
 - occidentalis* Martin, 1912: 80, 481. W.Africa
(ssp. of *denticulatus*)
 - pardus* Martin, 1912: 80, 483.
(syn. *hartmanni*)
 - renei* Fraser, 1936: 5, 138. Tchad
 - seydeli* Schouteden, 1934: 3, 64. Katanga
- 3.1.2.1.(1).13. *Cyanogomphus Selys*, 1873
- (= *Ebegomphus Needham*, 1944;
= *Strumagomphus Needham*, 1944)
 - conchinus* Williamson, 1916: 27, 168. Guyanas
 - demerarae* Selys, 1894: 38, 173. Guyanas
(= *strumens*)
 - minutus* Belle, 1970: 55, 23. Surinam
 - schroederi* Belle, 1970: 55, 27. Brasil
 - strumens* Needham, 1944: 69, 186.
(syn. *demerarae*)
 - uncatus* Fraser, 1947: 4, 437. S.America
 - **waltheri* Selys, 1873: 35, 753. Brasil
- 3.1.2.1.(1).14. *Cyclogomphus Selys*, 1854
- gynostylus* Fraser, 1926: 31, 162. Ceylon
 - heterostylus* Selys, 1854: 21, 62. India
 - vesiculosus* Selys, 1873: 36, 300. India
 - wilkinsi* Fraser, 1926: 31, 161. India
 - ypsilone* Selys, 1854: 21, 62. India
- 3.1.2.1.(1).15. *Dromogomphus Selys*, 1854
- armatus* Selys, 1854: 21, 59. S.E.USA
 - **spinosus* Selys, 1854: 21, 59. N.America
 - spoliatus* Hagen, 1857: 409. C. & S.E.USA

- 3.1.2.1.(1).16. *Dubitogomphus* Fraser, 1940
 bidentatus Fraser, 1930: 34, 752, (*Leptogomphus*). Assam
- 3.1.2.1.(1).17. *Eogomphus* Needham, 1944
 neglectus Needham, 1930: 11, 64, (*Gomphus*). China
- 3.1.2.1.(1).18. *Epigomphus* Selys, 1854
 (incl. *Eugomphus* Kennedy, 1947)
 armatus Ris, 1916: 82, 148. Costa Rica
 camelus Calvert, 1905: 170. Costa Rica
 clavatus Belle, 1980: 40, 136. Guatemala
 crepidus Kennedy, 1936: 29, 126. Mexico
 gracilis Belle, 1970: 55, 12.
 (syn. *hylaeus*)
 hylaeus Ris, 1918: 82, 153. S.America
 (= *gracilis*)
 llama Calvert, 1903: 14, 188. Bolivia
 obtusus Selys, 1869: 28, 187. S.America
 occipitalis Belle, 1970: 55, 15. Peru
 *bpaludosus Hagen in Selys, 1854: 21, 60. S.America
 paulsoni Belle, 1981: 41, 61. Mexico
 pechumani Belle, 1970: 55, 19. Colombia
 quadracies Calvert, 1903: 14, 188. C.America
 subobtusus Selys, 1878: 46, 467. C.America
 subquadrices Kennedy, 1946: 39, 662. Panama
 subsimilis Calvert, 1920: 46, 323. Costa Rica
 tumefactus Calvert, 1903: 14, 188. Costa Rica
 verticicornis Calvert, 1908: 410. Costa Rica
- 3.1.2.1.(1).19. *Erpetogomphus* Selys, 1857
 (= *Herpetogomphus* Selys, 1858)
 boa Selys, 1859: 1, 537. Mexico
 coluber Williamson & Williamson, 1930: 216, 14. Mexico
 compositus Selys, 1857: 400. Mexico - S. & W.USA
 constrictor Ris, 1916: 9, 154. Mexico
 cophias Selys, 1857: 72. Mexico
 *crotalinus Hagen in Selys, 1854: 21, 40. Mexico-USA
 designatus Hagen in Selys, 1857: 401. Mexico-USA
 diadophis Calvert, 1905: 167.
 (syn. *eutainia*)
 elaps Selys, 1857: 70. C.America
 eutainia Calvert, 1905: 162.
 (= *diadophis*) Mexico - S.USA
 lampropeltis Kennedy, 1918: 50, 297. S.USA

- 3.1.2.1.(1).19. *natrix* Williamson & Williamson, 1930: 216, 19. Mexico-USA
ophibolus Calvert, 1905: 163. Mexico
sabaleticus Williamson, 1918: 52, 1. C. & S.America
schausi Calvert, 1919: 30, 33. Guatemala
sipedon Calvert, 1905: 165. Mexico
tristani Calvert, 1912: 23, 290. C.America
viperinus Selys, 1867: 11, 68. C.America
- 3.1.2.1.(1).20. *Gomphurus* Needham, 1901
consanguis Selys, 1879: 22, 66. USA
consobrinus Walsh, 1863: 242.
 (syn. *externus*)
crassus Hagen, 1878: 46, 453.
 (= *walshii*) C.U.S.A
dilatatus Rambur, 1842: 155. S.E.USA
externus Hagen in Selys, 1857: 411.
 (= *consobrinus*) N.America
fraternus Say, 1839: 8, 16.
 (has ssp. *manitobanus*) N.America
hybridus Williamson, 1902: 8, 47. S. & S.E.USA
lineatifrons Calvert, 1921: 47, 222. USA
lynnae Paulson, 1983: 12, 59. N.W.USA
manitobanus Walker, 1959: 2, 247.
 (ssp. of *fraternus*) Canada
modestus Needham, 1942: 74, 72. S.U.S.A
ozarkensis Westfall, 1975: 58, 91. USA
rogersi Gloyd, 1936: 326, 9. USA
septima Westfall, 1956: 19, 253. USA
**vastus* Walsh, 1862: 391, (Gomphus). N.America
ventricosus Walsh, 1863: 2, 249. N.America
walshii Kellicott, 1899: 8, 107.
 (syn. *crassus*)
- 3.1.2.1.(1).21. *Gomphus* Leach, 1815
allenii Howe, 1922: 5, 19.
 (syn. *quadricolor*)
amamiensis Asahina, 1962: 5, 6. Ryukyu Is.
 (has ssp. *okinawanus*)
amicus Needham, 1930: 11, 63. China
amseli Schmidt, 1961: 19, 411. Afghanistan
anguinus Charpentier, 1840: 131.
 (syn. *pulchellus*)
argus Needham, 1943: 38, 147.
 (syn. *descriptus*)

3.1.2.1.(1). 21.	<i>auricolor</i> Fraser, 1926: <u>8</u> , 842.	Tonkin
	<i>australis</i> Needham, 1897: <u>29</u> , 184.	Florida (USA)
	<i>borealis</i> Needham, 1901: <u>47</u> , 453.	E. of N.America
	<i>brimleyi</i> Muttkowsky, 1911: <u>9</u> , 221.	S.E.USA
	<i>cavillaris</i> Needham, 1902: <u>34</u> , 276.	Florida (USA)
	<i>chancae</i> Bartenev, 1956: <u>3</u> , 209.	U.S.S.R.
	<i>clathratus</i> Needham, 1930: <u>11</u> , 64.	China
	<i>cognatus</i> Eversmann, 1837: <u>9</u> , 244. (syn. <i>flavipes</i>)	
	<i>confraternus</i> Selys, 1873: 744. (syn. <i>kurilis</i>)	
	<i>coreanus</i> Doi & Okumura, 1937: <u>11</u> , 125.	Korea
	<i>corniger</i> Morton, 1928: <u>76</u> , 115.	Yunnan
	<i>cuneatus</i> Needham, 1930: <u>11</u> , 50.	China
	<i>davidi</i> Selys, 1887: <u>31</u> , 30.	Syria
	<i>descriptus</i> Banks, 1896: <u>41</u> , 194. (= <i>argus</i> ; = <i>mortimer</i>)	N.America
	<i>diminutus</i> Needham, 1950: <u>76</u> , 6.	S.E.USA
	<i>donneri</i> Kennedy, 1917: <u>52</u> , 562. (syn. <i>kurilis</i>)	
	<i>edax</i> Needham, 1930: <u>11</u> , 51. (syn. <i>scissus</i>)	
	<i>endicotti</i> Needham, 1930: <u>11</u> , 61.	China
	<i>epophthalmus</i> Selys, 1872: <u>15</u> , 31.	Siberia
	<i>excavatus</i> Bartenev, 1930: <u>88</u> , 328.	Japan
	<i>exilis</i> Selys, 1854: <u>21</u> , 55.	N.America
	<i>flavicornis</i> Needham, 1931: <u>5</u> , 3.	China
	<i>flavipes</i> Charpentier, 1825: 25. (= <i>cognatus</i> ; = <i>selysii</i> ; has form <i>sibirica</i>)	Eurasia
	<i>flavocaudatus</i> Walker, 1940: <u>51</u> , 194.	C.USA
	<i>gaudens</i> Chao, 1952: <u>3</u> , 417.	China
	<i>gideon</i> Needham, 1944: <u>94</u> , 159.	China
	<i>graslinellus</i> Walsh, 1862: 394.	N.America
	<i>graslini</i> Rambur, 1842: 158.	S.W.Europe
	<i>hainanensis</i> Chao, 1953: <u>3</u> , 404.	Hainan
	<i>helladicus</i> Buchholz, 1954: 61. (ssp. of <i>schneideri</i>)	Greece
	<i>hesperius</i> Chao, 1953: <u>3</u> , 414.	China
	<i>hodgesi</i> Needham, 1950: <u>76</u> , 8.	S.USA
	<i>hoffmanni</i> Needham, 1931: <u>10</u> , 227.	Hainan

3.1.2.1.(1).21.	<i>kinzelbachi</i> Schneider, 1984: <u>94</u> , 1.	Iraq
	<i>kurilis</i> Hagen, 1857: 132. (= <i>confraternus</i> ; = <i>donneri</i> ; = <i>sobrinus</i>)	W.USA
	<i>lividus</i> Selys, 1854: 53. (= <i>sordidus</i> ; = <i>umbratus</i> ; = <i>williamsoni</i>)	N.America
	<i>lucasi</i> Selys, 1849: <u>3</u> , 20.	N.Africa
	<i>maroccanus</i> Lieftinck, 1966: <u>42</u> , 34. (ssp. of <i>simillimus</i>)	Morocco
	<i>melaenops</i> Selys, 1854: <u>21</u> , 48.	Japan
	<i>militaris</i> Hagen in Selys, 1857: 416.	S.USA
	<i>minutus</i> Rambur, 1842: 161.	E.USA
	<i>mortimer</i> Needham, 1943: <u>38</u> , 143. (syn. <i>descriptus</i>)	
	<i>nilgiricus</i> Laidlaw, 1922: <u>24</u> , 397.	India
	<i>occultus</i> Selys, 1878: <u>56</u> , 440.	China
	<i>odoneli</i> Fraser, 1922: <u>24</u> , 420.	India
	<i>okinawanus</i> Asahina, 1964: <u>32</u> , 2. (ssp. of <i>amamiensis</i>)	Okinawa
	<i>oklahomensis</i> Pritchard, 1935: <u>319</u> , 1.	S.USA
	<i>pacificus</i> Chao, 1953: <u>3</u> , 410.	China
	<i>perlaetus</i> Chao, 1953: <u>3</u> , 407.	China
	<i>personatus</i> Selys, 1873: <u>36</u> , 197. (= <i>xanthenatus</i>)	Burma
	<i>postocularis</i> Selys, 1869: <u>28</u> , 181.	Japan
	<i>promelas</i> Selys, 1873: <u>36</u> , 498.	India
	<i>pryeri</i> Selys, 1883: <u>27</u> , 111.	Japan
	<i>pulchellus</i> Selys, 1840: 83. (= <i>anguinus</i>)	Europe
	<i>quadricolor</i> Walsh, 1863: <u>2</u> , 246. (= <i>allenii</i>)	N.America
	<i>sandrius</i> Tennessen, 1983: <u>76</u> , 743.	U.S.A.
	<i>schmidti</i> Asahina, 1956: <u>24</u> , 155.	Manchuria
	<i>schneideri</i> Selys, 1850: 292. (has ssp. <i>helladicus</i>)	E.Europe,W.Asia
	<i>scissus</i> McLachlan, 1896: <u>17</u> , 367. (= <i>edax</i>)	China
	<i>selysii</i> Guerin, 1837: <u>150</u> , 201. (syn. <i>flavipes</i>)	
	<i>septimus</i> Needham, 1930: <u>11</u> , 61.	China
	<i>sibirica</i> Bartenev, 1910: <u>35</u> , 274. (form of <i>flavipes</i>)	
	<i>simillimus</i> Selys, 1840: 85. (= <i>zebratus</i> ; has ssp. <i>maroccanus</i>)	Europe

- 3.1.2.1.(1).21. *sobrinus* Selys, 1873: 35, 745.
 (syn. *kurilis*)
- somnolens* Needham, 1930: 11, 56. China
- sordidus* Selys, 1854: 21, 54.
 (syn. *lividus*)
- spicatus* Hagen, 1854: 21, 54. N.America
- takashii* Asahina, 1966: 34, 113. Taiwan
- umbratus* Needham, 1897: 29, 184.
 (syn. *lividus*)
- **vulgarissimus* Linnaeus, 1758: 544, (Libellula). Europe
- williamsoni* Muttkowsky, 1910: 1, 98.
 (hybrid of *lividus* & *graslinellus*)
- xanthenatus* Williamson, 1907: 33, 305.
 (syn. *personatus*)
- yayeyamensis* Matsumura, 1926: 1, 94. Ryukyu Is.
- zebratus* Rambur, 1842: 157.
 (syn. *simillimus*)
- 3.1.2.1.(1).22. *Heliogomphus* Laidlaw, 1922
- bakeri* Laidlaw, 1925: 28, 560. Luzon
- blandulus* Lieftinck, 1929: 72, 123. W.-Borneo
- borneensis* Lieftinck, 1963: 39, 90. E. Borneo
- cervus* Fraser, 1942: 92, 336. Burma
- ceylonicus* Selys, 1878: 56, 455. Ceylon
- consobrinus* Laidlaw, 1902: 1, 80.
 (syn. *kelantanensis*)
- drescheri* Lieftinck, 1929: 72, 129. Java
- gracilis* Krueger, 1898: 59, 302. Sumatra
- kalarensis* Fraser, 1934: 2, 329. India
- kelantanensis* Laidlaw, 1902: 2, 382.
 (= *consobrinus*) Malaya
- lieftincki* Fraser, 1942: 92, 338. Burma
- lyratus* Fraser, 1933: 18, 31. Ceylon
- nietneri* Selys, 1878: 46, 449. Ceylon
- olivaceus* Lieftinck, 1961: 42, 143. Palawan
- promelas* Selys, 1873: 36, 498.
 (= *pruinans*) India
- pruinans* Fraser, 1922: 24, 416.
 (syn. *promelas*)
- retroflexus* Ris, 1912: 1, 69. Indochina
- scorpio* Ris, 1912: 1, 72. China
- **selysi* Fraser, 1925: 20, 850. Burma
- spirillus* Fraser, 1922: 1, 71. Assam
- walli* Fraser, 1925: 20, 849. Ceylon

3.1.2.1.(1).23. *Hylogomphus* Needham, 1951

- **abbreviatus* Hagen, 1878: 46, 464, (*Gomphus*). E.USA
adelphus Selys, 1857: 413.
 (syn. *brevis*)
apomyius Donnelly, 1966: 68, 102. Texas
brevis Hagen, 1878: 46, 462. N.America
 (= *adelphus*)
carolinus Carle, 1979: 72, 418. E.USA
geminatus Carle, 1979: 72, 418. E.USA
parvidens Currie, 1917: 53, 223. USA
viridifrons Hine, 1901: 1, 60. N.America

3.1.2.1.(1).24. *Isomma* Selys, 1892

- hieroglyphicum* Selys, 1892: 36, 105. Madagascar

3.1.2.1.(1).25. *Labrogomphus* Needham, 1897

- torvus* Needham, 1931: 10, 225. Hainan

3.1.2.1.(1).26. *Leptogomphus* Selys, 1878

(incl. *Malayogomphus* Foerster, 1914)

- assimilis* Krueger, 1898: 59, 307. Sumatra
 (ssp. of *lansbergei*)
celebratus Chao, 1981: 4, 287. China
coomansi Laidlaw, 1936: 15, 267. W. Borneo
elegans Lieftinck, 1948: 19, 254. China
formosanus Matsumura, 1926: 1, 91. N.Taiwan
 (ssp. of *sauteri*)
gestroi Selys, 1891: 30, 476. Burma
inclitus Selys, 1878: 56, 444. Burma
intermedius Chao, 1981: 4, 287. China
lansbergei Selys, 1878: 56, 446. Java
 (= *semiteres*; has ssp. *assimilis*)
mariae Lieftinck, 1948: 19, 249. E. Borneo
palawanus Asahina, 1968: 15, 364. Palawan
pendleburyi Laidlaw, 1934: 17, 555. N. Borneo
perforatus Ris, 1912: 1, 73. China
risi Laidlaw, 1932: 7, 95. Malaya
sauteri Ris, 1912: 1, 75. S.Taiwan
 (has ssp. *formosanus*)
semiteres Foerster, 1914: 80, 77. N.W.Borneo
 (syn. *lansbergei*)
**sempervirens* Selys, 1878: 46, 443. Mindanao
svihleri Asahina, 1970: 16, 115. Thailand
unicornis Needham, 1930: 11, 32. China
williamsoni Laidlaw, 1912: 63, 94. N.W.Borneo

- 3.1.2.1.(1).26. *yayeyamensis* Matsumura, 1926: 91. Ryukyu Is.
- 3.1.2.1.(1).27. *Lestinogomphus* Martin, 1911
 (= *Echinopterogomphus* Fraser, 1926)
africanus Fraser, 1926: 74, 356.
 (syn. *angustus* ?)
**angustus* Martin, 1911: 484. Africa
 (= *africanus* ?)
congoensis Cammaerts, 1969: 79, 404. Congo
minutus Gambles, 1968: 101, 283. Nigeria
- 3.1.2.1.(1).28. *Macrogomphus* Selys, 1857
abnormis Selys, 1884: 28, 10. Borneo ?
 (form of *quadratus* ?)
albardae Selys, 1878: 56, 416. Banka
 (*ssp. of parallelogramma*)
annulatus Selys, 1854: 21, 28. India
annulatus Laidlaw, 1924: 12, 340.
 (syn. *lankanensis*)
borikhanensis Fraser, 1933: 9, 136. Laos
decemlineatus Selys, 1878: 46, 418. Sumatra
guilinensis Chao, 1982: 2, 11. Yunnan
keiseri Lieftinck, 1955: 34, 81. Ceylon
 (*ssp. of lankanensis*)
kerri Fraser, 1932: 8, 286. Siam
lankanensis Fraser, 1943: 18, 24. Ceylon
 (= *annulatus* Laidlaw; has *ssp. keiseri*)
montanus Selys, 1869: 28, 171. India
parallelogramma Burmeister, 1839: 2, 832.
 (has *ssp. albardae*) Java
phalantus Lieftinck, 1935: 15, 201. W. Borneo
quadratus Selys, 1878: 46, 415. Borneo
rivularis Foerster, 1914: 80, 80. Tonkin
**robustus* Selys, 1854: 21, 27, (*Heterogomphus*). Tibet
seductus Fraser, 1926: 31, 737. India
thoracicus McLachlan, 1884: 28, 7. Malaya
wynaadicus Fraser, 1924: 26, 471. India
- 3.1.2.1.(1).29. *Merogomphus* Martin, 1904
 (incl. *Indogomphus* Fraser, 1922)
chui Asahina, 1968: 36, 90.
 (syn. *paviei*)
duarensis Fraser, 1922: 24, 421.
 (syn. *martini*)
femoralis Laidlaw, 1931: 16, 210. Malaya
longistigma Fraser, 1922: 24, 422. India
martini Fraser, 1922: 7, 68.
 (= *duarensis*) India

- 3.1.2.1.(1).29. *parvus* Krueger, 1898: 59, 308. Sumatra
 **paviei* Martin, 1904: 3, 214. E.Asia
 (= chui; =pieli; = torpens)
pieli Navas, 1932: 8, 1.
 (syn. paviei)
tamaracherriensis Fraser, 1931: 33, 460. S.Malabar
torpens Needham, 1930: 55.
 (syn. paviei)
vandykei Needham, 1930: 11, 68. China
- 3.1.2.1.(1).30. *Microgomphus* Selys, 1857
 (incl. *Africogomphus* Fraser, 1936)
bivittatus Pinhey, 1961: 56, 81. Angola
burmicus Fraser, 1925: 30, 854.
 (syn. loogali)
camerunensis Longfield, 1951: 62, 98. Cameroons
*i_{chelifer} Selys, 1857: 101.
 (has ssp. *thelyphonus*) Malaysia
corbetti Pinhey, 1961: 67.
 (ssp. of *schoutedeni*) Uganda
lilliputians Fraser, 1925: 30, 855. Burma
loogali Fraser, 1923: 29, 48.
 (= *burmicus*) Burma
mozambicensis Pinhey, 1959: 23, 340. E.Africa
nyassicus Gruenberg, 1902: 9, 234.
 (= *witchwoodensis*) E.Africa
schoutedeni Fraser, 1949: 42, 114.
 (has ssp. *corbetti*) Congo
souteri Fraser, 1924: 26, 474.
 (ssp. of *torquatus*) India
thailandica Asahina, 1981: 23, 10.
thelyphonus Lieftinck, 1929: 72, 125.
 (ssp. of *chelifer*) Thailand
 Java
torquatus Selys, 1854: 21, 63.
 (has ssp. *souteri*) India
verticalis Selys, 1873: 36, 501.
wijaya Lieftinck, 1940: 22, 98.
witchwoodensis Pinhey, 1961: 56, 82.
 (syn. *nyassicus*) Ceylon
zebra Martin, 1911: 80, 485. Cameroons
- 3.1.2.1.(1).31. *Nepogomphoides* Fraser, 1952
pinheyi Fraser, 1952: 3, 3.
 (syn. *stuhlmanni*)
*i_{stuhlmanni} Karsch, 1899: 25, 376.
 (= *pinheyi*) E.Africa

- 3.1.2.1.(1).32. *Neurogomphus* Karsch, 1890
 (= *Oxygomphus* Lacroix, 1921
 incl. *Karschiogomphus* Schouteden, 1934)
agilis Martin, 1908: 43, 657. W.Africa
angustisigna Pinhey, 1971: 33, 961. Gabon
chapini Klots, 1944: 1259, 7. C.Africa
featheri Pinhey, 1967: 29, 72. Kenya
 (= *wittei*)
**fuscifrons* Karsch, 1890: 16, 380. Cameroons
ghesquierei Schouteden, 1934: 24, 226.
 (syn. *martininus*)
martininus Lacroix, 1921: 67, 48. Congo
 (= *ghesquierei*)
pallidus Cammaerts, 1968: 76, 71. Congo
pinheyi Cammaerts, 1968: 104, 101. C.Africa
uelensis Schouteden, 1934: 3, 65. Congo
 (= *vicus*)
vicus Schouteden, 1934: 3, 66.
 (syn. *uelensis*)
wittei Schouteden, 1934: 67.
 (syn. *featheri*)
- 3.1.2.1.(1).33. *Notogomphus* Hagen in Selys, 1857
 (incl. *Nilogomphus* Fraser, 1928 &
Podogomphus Karsch, 1890)
anaci Fraser, 1955: 51, 42. Congo
butoloensis Fraser, 1952: 3, 10. Uganda
carpenteri Fraser, 1928: 76, 133.
 (syn. *dorsalis*)
cataractae Consiglio, 1978: 243, 56. Ethiopia
cotterelli Consiglio, 1978: 243, 55. Ethiopia
dendrohydrax Foerster, 1906: 59, 326. E. & C.Africa
dorsalis Selys, 1857: 164. Abyssinia
 (= *carpenteri*)
flavifrons Fraser, 1952: 3, 8. Uganda
immisericors Campion, 1923: 12, 667. E.Africa
kilimandjaricus Sjoestedt, 1909: 14, 26. E.Africa
lecythus Campion, 1923: 12, 664. E.Africa
leroyi Schouteden, 1934: 3, 62. Congo
longus Martin, 1915: 36.
 (ssp. of *rueppeli*) N.E.Africa
lujai Schouteden, 1934: 3, 62.
 (= *verschouereni* ?) Congo
meruensis Sjostedt, 1909: 14, 25. E.Africa
nigripes Sjoestedt, 1909: 14, 27. E.Africa

- 3.1.2.1.(1).33. *praetorius* Selys, 1878: 42, 447. Transvaal
 **rueppeli* Selys, 1857: 162, (Gomphus). Abyssinia
 (has ssp. *longus*)
speciosus Sjoestedt, 1909: 14, 28. E.Africa
spinosus Karsch, 1890: 16, 381. W.Africa
verschuereni Schouteden, 1934: 3, 64. Congo
 (syn. *lujai* ?)
zernyi St.Quentin, 1942: 52, 110. E.Africa
- 3.1.2.1.(1).34. *Peruviogomphus* Klots, 1944
 **moyobambus* Klots, 1944: 1259, 3. Peru
pearsoni Belle, 1979: 8, 111. Ecuador
- 3.1.2.1.(1).35. *Phaenandrogomphus* Lieftinck, 1964
 **asthenes* Lieftinck, 1964: 69, 6. Malaya
aureus Laidlaw, 1922: 24, 405. Assam
tonkinicus Fraser, 1926: 8, 481. Indochina
- 3.1.2.1.(1).36. *Phyllogomphus* Selys, 1854
 (incl. *Guineagomphus* Compte Sart, 1963)
 **aethiops* Selys, 1854: 21, 43. W.Africa
 (= *helena*)
annulus Klots, 1944: 1259, 4.
 (syn. *selysi*)
brunneus Pinhey, 1976: 5, 555. Botswana
coloratus Kimmins, 1931: 7, 217.
 (= *coronatus*) W.Africa
coronatus St.Quentin, 1958: 43.
 (syn. *coloratus*)
dundomajoricus Fraser, 1957: 56, 24. Angola
dundominusculus Fraser, 1957: 56, 28. Angola
edentatus St.Quentin, 1958: 10, 42.
 (syn. *orientalis*)
hartwigi Buchholz, 1958: 2, 259.
 (syn. *montanus*)
helena Lacroix, 1920: 67, 49.
 (syn. *aethiops*)
latifascia Pinhey, 1961: 56, 83. Angola
margaritae Compte Sart, 1967: 12. Guinea
montanus Fraser, 1957: 56, 14.
 (= *hartwigi*) W.Africa
mundi Fraser, 1960: 62, 141. Nigeria
occidentalis Fraser, 1957: 56, 18. Ivory Coast
orientalis Fraser, 1957: 56, 16.
 (= *edentatus*) E.Africa
perisi Compte Sart, 1963: 61, 61. W.Africa
pseudoccidentalis Lindley, 1972: 1, 253. Ivory Coast

- 3.1.2.1.(1).36. *schoutedeni* Fraser, 1957: 56, 29. Congo
selysi Schouteden, 1933: 23, 340. Congo
 (= annulus)
- symoensi* Lieftinck, 1969: 14, 11. Congo
- 3.1.2.1.(1).37. *Platygomphus Selys*, 1854
 **dolabratus* Selys, 1854: 21, 44. India
feae Selys, 1892: 10, 479. Burma
- 3.1.2.1.(1).38. *Shaogomphus Chao*, 1984
lieftincki Chao, 1984: 13, 73. China
- 3.1.2.1.(1).39. *Stylurus* Needham, 1897
abditus Butler, 1914: 46, 347.
 (syn. *amnicola*) N.America
amnicola Walsh, 1862: 396.
 (= *abditus*) N.E.Asia-Japan
annulatus Djakonov, 1926: 20, 232.
elongatus Selys, 1854: 21, 58.
 (syn. *plagiatus*) N.E.Asia-Japan
falcatus Gloyd, 1944: 482, 1. Mexico
fluvialis Walsh, 1862: 394.
 (syn. *notatus*) S.E.USA
intricatus Hagen in Selys, 1857: 418. W. of N.America
ivae Williamson, 1932: 247, 12. S.E.USA
jucundus Needham, 1943: 146.
 (syn. *notatus*) S.E.USA
laurae Williamson, 1932: 247, 3. S.E.USA
lineatus Bartenev, 1929: 85, 61.
 (syn. *ubadshii*) Japan
nagoyanus Asahina, 1951: 19, 17. Nevada
nevadensis Kennedy, 1917: 52, 557.
 (ssp. of *olivaceus*) N.America
notatus Rambur, 1842: 162.
 (= *fluvialis*; = *jucundus*) China
occultus Selys, 1878: 46, 440.
oculatus Asahina, 1949: 17, 28. Japan
olivaceus Selys, 1873: 35, 749.
 (has ssp. *nevadensis*) W. of N.America
**plagiatus* Selys, 1854: 21, 57.
 (= *elongatus*) N.America
potulentus Needham, 1942: 74, 71. C.USA
scudderii Selys, 1873: 35, 752.
segregans Needham, 1897: 29, 185.
 (syn. *spiniceps*) E. of N.America
spiniceps Walsh, 1862: 389.
 (= *segregans*) N.America

- 3.1.2.1.(1).39. *townesi* Gloyd, 1936: 326, 5. S.E.USA
ubadschii Schmidt, 1953: 43, 6. S.W. Asia
 (= *lineatus*)
- 3.1.2.1.(1).40. *Temnogomphus* Laidlaw, 1922
bivittatus Selys, 1854: 21, 46, (*Anisogomphus*) India
- 3.1.2.1.(1).41. *Tragogomphus* Sjoestedt, 1899
 (= *Libyogomphus* Fraser, 1926)
**aurivillii* Sjoestedt, 1900: 25, 42. Cameroons
mamfei Pinhey, 1961: 265. Cameroons
tenaculatus Fraser, 1926: 74, 358. Cameroons
- 3.1.2.1.(2). Octogomphini. Distal primary antenodal of hindwing midway between proximal primary antenodal and nodus (except *Hemigomphus*); CuP and A strongly divergent towards wing margin. 2-5 ventral teeth on the larval ligula (Carle & Cook, 1984: 13, 55).
- 3.1.2.1.(2).1. *Davidius* Selys, 1878
 (= *Hologomphus* Bartenev, 1914)
aberrans Selys, 1873: 36, 506. India
 (has ssp. *senchalensis*)
assamensis Laidlaw, 1916: 12, 135. Darjeeling
 (ssp. of *davidi*)
ater Selys, 1878: 46, 672. Japan
baronii Lieftinck, 1976: 2, 24. Bhutan
bicornutus Selys, 1878: 46, 670. China
cuniculus Ris, 1916: 5, 49.
 (syn. *nanus*)
**davidi* Selys, 1878: 56, 671. Tibet
 (has ssp. *assamensis* and form *orenburghii*)
delineatus Fraser, 1926: 31, 166. N.India
 (ssp. of *zallorensis*)
fruhstorferi Martin, 1904: 111, 215. Indochina
 (has ssp. *junior* & *serenus*)
fujiiama Fraser, 1936: 85, 150. Japan
hakiensis Matsumura, 1926: 1, 93.
 (syn. *nanus*)
kumaonensis Fraser, 1926: 31, 170. Himalayas
junior Navas, 1936: 3, 38. China
 (ssp. of *fruhstorferi*)
lunatus Bartenev, 1914: 41, 24. Manchuria
malloryi Fraser, 1926: 31, 167. Assam
moiwanus Okumura, 1935: 10, 64. Japan
 (has ssp. *sawanoi* & *taruui*)
nanus Selys, 1867: 38, 173. Japan
 (= *cuniculus*; = *hakiensis*)
orenburghii Voronocovsky, 1909: 21, 119.
 (form of *davidi*)

- 3.1.2.1.(2).1. *sawanoi* Asahina & Inoue, 1973: 16, 5.
 (ssp. of *moiwanus*) Japan
- senchalensis* Fraser, 1926: 31, 170.
 (ssp. of *aberrans*) N.India
- serenus* Needham, 1944: 94, 143.
 (ssp. of *fruhstorferi*) China
- taruui* Asahina & Inoue, 1973: 16, 4.
 (ssp. of *moiwanus*) Japan
- trox* Needham, 1931: 5, 4.
 China
- zallorensis* Selys, 1878: 56, 667.
 (has ssp. *delineatus*) Himalayas
- 3.1.2.1.(2).2. *Fukienogomphus* Chao, 1954
margarita Chao, 1954: 4, 45. China
**prometheus* Lieftinck, 1930: 4, 278. China
promineus Chao, 1954: 4, 41. China
- 3.1.2.1.(2).3. *Hemigomphus* Selys, 1854
armiger Tillyard, 1913: 37, 577. S.W.Australia
comitatus Tillyard, 1909: 34, 245. N.E.Australia
gouldi Selys, 1854: 21, 64.
 (syn. *heteroclytus*)
**heteroclytus* Selys, 1854: 21, 68. S. & E.Australia
 (= *gouldi*)
- 3.1.2.1.(2).4. *Lanthus* Needham, 1897
albistylus Hagen in Selys, 1878: 46, 460. N.America
 (= *naevius*)
fujiacus Fraser, 1936: 85, 147. Japan
**parvulus* Selys, 1854: 21, 37, (Gomphus). E. of N.America
naevius Hagen in Selys, 1878: 46, 462.
 (syn. *albistylus*)
vernalis Carle, 1980: 73, 172. E.USA
- 3.1.2.1.(2).5. *Neogomphus* Selys, 1857
bidens Selys, 1878: 46, 470. Chile
edenticulatus Carle & Cook, 1984: 13, 56. Argentina-Chile
elegans Selys, 1854: 21, 67. Brasil
**molestus* Hagen in Selys, 1854: 21, 67, (Hemigomphus). Chile
- 3.1.2.1.(2).6. *Octogomphus* Selys, 1873
specularis Hagen, 1859: 7, 544, (Neogomphus). W. of N.America
- 3.1.2.1.(2).7. *Sinogomphus* May, 1935
asahinai Chao, 1984: 13, 233. China
flavolimbatus Oguma, 1926: 1, 94. Japan

- 3.1.2.1.(2).7. *formosanus* Asahina, 1951: 19, 18.
leptocercus Chao, 1983: 12, 269.
**nigrofasciatus* May, 1935: 17, 92.
orestes Lieftinck, 1939: 4, 287.
peleus Lieftinck, 1939: 4, 291.
pylades Lieftinck, 1939: 4, 285.
suensonii Lieftinck, 1939: 4, 294.
telamon Lieftinck, 1939: 4, 290.
- Taiwan
China
China
China
China
China
China
China
China
- 3.1.2.1.(2).8. *Stylogomphus* Fraser, 1922
asatoi Asahina, 1972: 15, 5.
(ssp. of *ryukyuensis*)
changi Asahina, 1968: 36, 92.
chunliuae Chao, 1954: 4, 55.
**inglisi* Fraser, 1922: 1, 70.
lutantus Chao, 1983: 12, 271.
ryukyuensis Asahina, 1951: 19, 18.
(has ssp. *asatoi*)
shirozui Asahina, 1966: 34, 108.
susukii Matsumura, in Oguma, 1926: 1, 93.
tantalus Chao, 1954: 4, 62.
- Okinawa
Taiwan
China
India
China
Ryukyu Is.
Taiwan
Japan
China
- 3.1.2.1.(2).9. *Trigomphus* Bartenev, 1912
(incl. *Xenogomphus* Needham, 1944)
abdominalis McLachlan, 1884: 28, 8.
acutus Bartenev, 1930: 88, 326.
agricola Ris, 1916: 5, 53.
**anormolobatus* Bartenev, 1911: 16, 435.
beatus Chao, 1954: 4, 26.
bifasciatus Asahina, 1949: 17, 28.
(syn. *interruptus*)
carus Chao, 1954: 4, 34.
chichibui Fraser, 1936: 85, 148.
(syn. *interruptus*)
citimus Needham, 1931: 5, 2.
(= *nigripes*; = *succumbens*; has ssp. *tabei*)
interruptus Selys, 1854: 21, 66.
(= *bifasciatus*; = *chichibui*; = *melampus* Ris)
lautus Needham, 1931: 5, 2.
melampus Selys, 1869: 29, 182.
(= *unifasciatus*)
melampus Ris, 1916: 5, 52.
(syn. *interruptus*)
nigripes Selys, 1887: 31, 59.
(syn. *citimus*)
- China
Japan
China
Russia
China
E.Asia
Japan
China
Japan

- 3.1.2.1.(2).9. *ogumai* Asahina, 1949: 17, 28. Japan
succumbens Needham, 1931: 5, 2.
 (syn. *citimus*)
- svenhedini* Sjöestedt, 1932: 25A, 11. China
tabei Asahina, 1949: 17, 28. Japan
 (ssp. of *citimus*)
- unifasciatus* Oguma, 1926: 1, 92.
 (syn. *melampus* Selys)
- 3.1.2.2. Onychogomphinae. Distinguished from Gomphinae by anal loop of 2-3 cells, anal triangle of 4 cells and male inferior appendages usually close and parallel, (Chao, 1984).
- 3.1.2.2.1. *Acrogomphus* Laidlaw, 1925
**fraseri* Laidlaw, 1925: 441. India
jubilaris Lieftinck, 1964: 39, 97. Borneo
malayanus Laidlaw, 1925: 443. Malaya
minor Laidlaw, 1931: 16, 215. Malaya
mohani Sahni, 1965: 13, 93. N.India
walshae Lieftinck, 1935: 15, 203. S.W.Sumatra
- 3.1.2.2.2. *Amphigomphus* Chao, 1954
hansoni Chao, 1954: 4, 403. China
- 3.1.2.2.3. *Davidioides* Fraser, 1924
martini Fraser, 1924: 26, 472. W.India
- 3.1.2.2.4. *Megalogomphus* Campion, 1923
 (= *Allogomphus* Needham, 1930;
 incl. *Heterogomphus* Campion, 1923)
bicornutus Fraser, 1922: 1, 72. Assam
borneensis Laidlaw, 1914: 57.
 (syn. *icterops*)
ceylonicus Laidlaw, 1922: 24, 412. Ceylon
cochininchensis Selys, 1878: 46, 419. Indochina
flavicolor Fraser, 1923: 29, 678. India
hanningtoni Fraser, 1923: 29, 674. India
icterops Martin, 1902: 8, 506.
 (= *borneensis*) Malaysia
junghuhni Lieftinck, 1934: 3, 266. Java
**smithi* Selys, 1854: 21, 29, (Heterogomphus) India
sommeri Selys, 1854: 21, 29. China
sumatranus Krueger, 1898: 59, 294.
 (= *unicolor*) Malaysia
suberbus Fraser, 1931: 33, 460. India
unicolor Martin, 1902: 8, 506.
 (syn. *sumatranus*)
- 3.1.2.2.5. *Nihonogomphus* Oguma, 1926
 (= *Altaigomphus* Bartenev, 1930)

3.1.2.2.5.	bequaerti Chao, 1954: <u>4</u> , 409.	China
	brevipennis Needham, 1930: <u>11</u> , 48. (= hummeli)	China
	gilvus Chao, 1954: <u>4</u> , 416.	China
	heterostylus Bartenev, 1930: <u>89</u> , 329, (syn. ruptus)	
	hummeli Sjoestedt, 1932: <u>25</u> , 12. (syn. brevipennis)	
	lieftincki Chao, 1955: <u>4</u> , 407.	China
	pulcherrima Fraser, 1927: <u>29</u> , 78.	Burma
	ruptus Selys, 1857: 393. (= heterostylus)	E.Asia
	semanticus Chao, 1954: <u>4</u> , 411.	China
	shaowuensis Chao, 1954: <u>4</u> , 414.	China
	simillimus Chao, 1982: <u>2</u> , 115.	China
	thomassoni Kirby, 1900: <u>12</u> , 534.	Hainan
	*viridis Oguma, 1926: <u>1</u> , 97.	Japan
3.1.2.2.6.	Onychogomphus Selys, 1854 (incl. Lamelligomphus Fraser, 1922; Lamellogomphus Fraser, 1924; Nepogomphus Fraser, 1934 & Paradigma Buchecker, 1876)	
	acinaces Laidlaw, 1922: <u>24</u> , 407.	India
	aemulus Lieftinck, 1937: <u>16</u> , 115.	S. Sumatra
	aequistylus Selys, 1892: <u>36</u> , 88.	Madagascar
	albotibialis Schmidt, 1954: <u>64</u> , 85. (ssp. of forcipatus)	Turkey
	angela Martin, 1915: 38. (syn. supinus nigrotibialis)	
	annularis Selys, 1894: <u>38</u> , 167.	Burma
	ardens Needham, 1930: <u>11</u> , 39.	China
	annaimalaicus Fraser, 1934: 273. (form of nilgiriensis)	India
	assimilis Schneider, 1845: <u>6</u> , 110. (? = fulvipennis)	Asia Minor
	banteng Lieftinck, 1929: <u>72</u> , 133.	W. Java
	biforceps Selys, 1873: <u>56</u> , 420.	India
	bistrigatus Selys, 1854: <u>21</u> , 46. (syn. m-flavum)	
	bistrigatus Selys, 1857: 24. (pt. syn. schmidti)	
	bwambae Pinhey, 1961: 88.	Uganda
	cacharicus Fraser, 1924: <u>8</u> , 81.	India
	camelus Martin, 1904: <u>111</u> , 212.	Indochina
	castor Lieftinck, 1941: <u>18</u> , 246.	Malaya

3.1.2.2.6.	<i>cerastis</i> Selys, 1854: <u>21</u> , 63.	Nepal
	<i>circularis</i> Selys, 1894: <u>38</u> , 165.	Burma
	<i>consobrinus</i> Kolbe, 1885: <u>29</u> , 153. (syn. <i>forcipatus</i>)	
	<i>cypriacus</i> Schmidt, 1954: 85. (form of <i>forcipatus</i>)	Cyprus-Turkey
	<i>diminutivus</i> Fraser, 1924: <u>30</u> , 109. (syn. <i>modestus</i>)	
	<i>dingavani</i> Fraser, 1924: <u>29</u> , 1005.	Burma
	<i>drummondi</i> Fraser, 1923: <u>29</u> , 984. (syn. <i>risi</i>)	
	<i>duaricus</i> Fraser, 1924: <u>29</u> , 1001.	India
	<i>earnshawi</i> Williamson, 1907: <u>33</u> , 313.	Burma
	<i>flavicaudus</i> Chao, 1981: <u>4</u> , 287.	China
	<i>flavifrons</i> Selys, 1894: <u>38</u> , 164.	Madagascar
	<i>flexuosus</i> Schneider, 1845: <u>6</u> , 114.	S.W.Asia
	* <i>forcipatus</i> Linnaeus, 1758: 545, (<i>Libellula</i>). (= <i>consobrinus</i> ; = <i>hamatus</i> ; = <i>socialis</i> ; = <i>viridicinctus</i> ; has ssp. <i>albotibialis</i> , <i>lucidostriatus</i> and <i>unguiculatus</i> and form <i>cypriacus</i>)	W.Old World
	<i>formosanus</i> Oguma, 1926: <u>1</u> , 97. (= <i>micans</i>)	Formosa
	<i>fruhstorferi</i> Lieftinck, 1934: <u>77</u> , 34.	Malaysia
	<i>fulvipennis</i> Bartenev, 1912: 147. (? syn. <i>assimilis</i>)	S.Russia
	<i>garhwalicus</i> Singh & Baijal, 1954: <u>3</u> , 385.	N.India
	<i>geometricus</i> Selys, 1854: <u>21</u> , 31. (has ssp. <i>perplexus</i>)	Java
	<i>grammicus</i> Rambur, 1842: 164.	India
	<i>hainanensis</i> Chao, 1954: <u>4</u> , 269.	China
	<i>hamatus</i> Charpentier, 1825: 25. (syn. <i>forcipatus</i>)	
	<i>inglisi</i> Fraser, 1923: <u>29</u> , 984. (syn. <i>risi</i>)	
	<i>inkiti</i> Bartenev, 1929: <u>85</u> , 62.	Caucasus
	<i>kerri</i> Fraser, 1933: <u>9</u> , 141.	Siam
	<i>kitchingmani</i> Pinhey, 1960: <u>96</u> , 265.	Zambia
	<i>lefebvrei</i> Rambur, 1842: 166.	Egypt
	<i>lucidostriatus</i> Schmidt, 1954: <u>163</u> , 249. (ssp. of <i>forcipatus</i>)	Iran
	<i>ludens</i> Needham, 1930: <u>11</u> , 42.	China
	<i>maclachlani</i> Selys, 1894: <u>38</u> , 168.	Burma
	<i>macrodon</i> Selys, 1887: <u>31</u> , 24.	Middle East

3.1.2.2.6.	<i>maculivertex</i> Selys, 1891: <u>10</u> , 478. <i>malabarensis</i> Fraser, 1924: <u>29</u> , 990. <i>micans</i> Needham, 1930: <u>11</u> , 41. (syn. <i>formosanus</i>) <i>m-flavus</i> Selys, 1894: <u>38</u> , 169. (syn. <i>bistrigatus</i> Selys, 1854) <i>modestus</i> Selys, 1878: <u>56</u> , 423. (= <i>diminutivus</i>) <i>motuoensis</i> Chao, 1983: <u>12</u> , 270. <i>naninus</i> Foerster, 1905: <u>24</u> , 19. <i>nigrescens</i> Laidlaw, 1902: <u>1</u> , 80. (syn. <i>saunderi</i>) <i>nigrescens</i> Pinhey, 1952: <u>88</u> , 172. (syn. <i>styx</i>) <i>nigrotibialis</i> Sjoestedt, 1909: 23. (ssp. of <i>supinus</i>) <i>nilgiriensis</i> Fraser, 1922: <u>24</u> , 425. (has race <i>annaimalaicus</i>) <i>occitanicus</i> Rambur, 1842: 165. (syn. <i>uncatus</i>) <i>parhwalicus</i> Singh & Baijal, 1954: 385. <i>perplexus</i> Lieftinck, 1935: <u>92</u> , 20. (ssp. of <i>geometricus</i>) <i>pilosus</i> Martin, 1911: 485. <i>pollux</i> Lieftinck, 1941: <u>18</u> , 247. <i>quirkii</i> Pinhey, 1964: <u>63</u> , 110. <i>rappardi</i> Lieftinck, 1937: <u>16</u> , 110. <i>ridens</i> Needham, 1930: <u>11</u> , 40. <i>ringens</i> Needham, 1930: <u>11</u> , 40. <i>risi</i> Fraser, 1922: <u>7</u> , 73. (= <i>drummondi</i> ; = <i>inglisi</i>) <i>rossi</i> Pinhey, 1966: <u>2</u> , 3. <i>saundersi</i> Selys, 1854: <u>21</u> , 31. (= <i>nigrescens</i> Laidlaw) <i>schmidti</i> Fraser, 1937: <u>6</u> , 163. (= <i>bistrigatus</i> Selys, 1857) <i>septemflavus</i> Fraser, 1955: <u>38</u> , 18. <i>serrulatus</i> Karsch, 1898: <u>24</u> , 344. <i>sinicus</i> Chao, 1954: <u>4</u> , 264. <i>socialis</i> Kolbe, 1885: <u>29</u> , 153. (syn. <i>forcipatus</i>) <i>striatus</i> Fraser, 1924: <u>29</u> , 1001. <i>styx</i> Pinhey, 1961: 87. (= <i>nigrescens</i> Pinhey)	Burma India India/Malaysia China Tonkin E.Africa India India N.E. Sumatra Tanganyika S. Sumatra Zambia S.W. Sumatra Manchuria China India Angola India India Congo Togo China India Uganda
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- 3.1.2.2.6.
- supinus* Selys, 1854: 7, 93.
(has ssp. *nigrotibialis*, [= *angela*];
 & *xerophilus*)
 - thienemanni* Schmidt, 1934: 13, 369.
 - trinus* Navas, 1936: 3, 38.
 - uncatus* Charpentier, 1840: 123.
(= *occitanicus*)
 - unguiculatus* Van der Linden, 1823: 4, 164.
(ssp. of *forcipatus*)
 - vadini* Paulian, 1960: 12, 73.
 - viridicinctus* Retzius, 1783: 57.
(syn. *forcipata*)
 - viridicosta* Oguma, 1926: 1, 96.
 - walli* Fraser, 1924: 30, 109.
 - xerophilus* Fraser, 1956: 48, 226.
(ssp. of *supinus*)
- 3.1.2.2.7.
- Ophiogomphus* Selys, 1854
 - acuminatus* Carle, 1981: 10, 272.
(= *bouchardi*)
 - anomalus* Harvey, 1898: 60.
 - alleghaniensis* Carle, 1982: 75, 335.
(ssp. of *incurvatus*)
 - arizonicus* Kennedy, 1917: 52, 538.
 - aspersus* Morse, 1895: 7, 209.
 - belllicosus* Voroncovsky, 1909: 21, 116.
 - bison* Selys, 1873: 36, 496.
(= *sequoiarum*)
 - bouchardi* Louton, 1982: 95, 198.
(syn. *acuminatus*)
 - bucheckeri* Buchecker, 1878: 13.
(syn. *serpentinus*)
 - californicus* Kennedy, 1917: 58, 543.
(ssp. *occidentis*)
 - carolinus* Hagen, 1885: 12, 259.
(syn. *incurvatus*)
 - carolus* Needham, 1897: 29, 183.
 - caudoforcipus* Yousuf & Yunis, 1977: 29, 1.
 - cecilia* Fourcroy, 1785: 2, 348.
(syn. *serpentinus*)
 - colubrinus* Selys, 1854: 21, 40.
 - edmundo* Needham, 1951: 62, 41.
 - forficulus* Okumura, 1937: 11, 122.
 - howei* Bromley, 1924: 35, 344.
 - incurvatus* Carle, 1982: 75, 335.
(= *carolinus*; has ssp. *alleghaniensis*)

- 3.1.2.2.7. johannus Needham, 1897: 182.
 (syn. mainensis)
- mainensis Packard, 1863: 2, 255. E. of N.America
 (= johannus)
- montanus Selys, 1878: 46, 432. W. of N.America
 (ssp. of severus)
- morrisoni Selys, 1879: 22, 65. W.U.S.A
 (has ssp. nevadensis)
- nevadensis Kennedy, 1917: 52, 536. S.W.U.S.A
 (ssp. of morrisoni)
- obscurus Bartenev, 1910: 12, 21. Siberia
 (form of serpentinus)
- occidentis Hagen, 1885: 12, 259. W. of N.America
 (= phaleratus; has ssp. californicus)
- phaleratus Needham, 1902: 34, 277. Kashmir
 (syn. occidentis)
- pictus Needham, 1897: 29, 181. N.America
 (syn. rupinsulensis)
- reductus Calvert, 1898: 150. N.America
- rupinsulensis Walsh, 1862: 383. Kashmir
 (= pictus)
- sequoiarum Butler, 1914: 46, 346. N.America
 (syn. bison)
- *serpentinus Charpentier, 1825: 25. Europe/W.Asia
 (= bucheckeri; = cecilia;
 = spectabilis; has form obscurus)
- severus Hagen, 1874: 591. W. of N.America
 (has ssp. montanus)
- spectabilis Eversmann, 1841: 356. Laos
 (syn. serpentinus)
- spinicornis Selys, 1878: 46, 437. N.China
- 3.1.2.2.8. Paragomphus Cowley, 1934 Gabon
 (= Mesogomphus Foerster, 1906)
- abnormis Karsch, 1890: 16, 378. Cameroons
 (= moka)
- acuminatus Fraser, 1949: 42, 120. Luzon
 (syn. fritillarius?)
- alluaudi Martin, 1915: 37. E.Africa
- aquila Martin, 1921: 90, 95. Laos
- atratus Selys, 1885: 29, 146. Luzon
 (syn. genei)
- aureatus Pinhey, 1971: 33, 963. Gabon
- balneorum Needham & Gyger, 1937: 63, 33. Celebes
 (syn. genei)
- bitarsatus Foerster, 1906: 59, 325. Luzon
 (syn. genei)
- capitatus Martin, 1909: 40, 195. Celebes

3.1.2.2.8.	capricornis Foerster, 1914: <u>2</u> , 79. (= risi; = simplex)	India-Malaysia
	cataractae Pinhey, 1963: <u>26</u> , 156.	E.Africa
	*cognatus Rambur, 1842: 167, (Gomphus). (= oblitteratus; has form nguelicus)	Africa
	costae Selys, 1885: <u>29</u> , 146.	W.Mediterranean
	dicksoni Pinhey, 1969: <u>69</u> , 3.	S.Africa
	echinoccipitalis Fraser, 1922: <u>1</u> , 74.	Assam
	elpidius Ris, 1921: <u>18</u> , 346.	S.Africa
	excelsus Costa, 1884: <u>15</u> , 333. (syn. genei)	
	flavohamatus Martin, 1921: <u>90</u> , 95.	Flores
	fritillarius Selys, 1892: <u>36</u> , 89. (= acuminatus?; = sabicus?)	Tropical Africa
	frontalis Selys, 1873: <u>56</u> , 428.	Burma
	genei Selys, 1841: 246. (= atratus; = bitarsatus; = excelsus; = hageni; = rusticatus)	E.Mediterranean
	hageni Selys, 1870: <u>14</u> , 14. (syn. genei)	
	henryi Campion & Laidlaw, 1928: 131.	Ceylon
	interruptus Fraser, (Cammaerts 1968: <u>104</u> , 53.)	Congo
	lacustris Karsch, 1890: <u>16</u> , 377.	E.Africa
	lindgreni Fraser, 1923: <u>29</u> , 65.	N. India
	lineatus Selys, 1850: 386.	India
	machadoi Pinhey, 1961: <u>56</u> , 74.	Angola
	madagassus Karsch, 1890: <u>16</u> , 378.	Madagascar
	magnus Fraser, 1952: <u>3</u> , 6.	Rhodesia
	maynei Schouteden, 1934: <u>3</u> , 69.	Congo
	moka Longfield, 1936: <u>85</u> , 478. (syn. abnormis)	
	nguelicus Foerster, 1906: <u>59</u> , 323. (form of cognatus)	
	nigroviridis Cammaerts, 1969: <u>105</u> , 242.	Congo
	nyasicus Kimmins, 1955: <u>88</u> , 111.	Nyasaland
	oblitteratus Selys, 1892: <u>36</u> , 92. (syn. cognatus)	
	pardalinus Needham, 1942: <u>20</u> , 251.	Hainan
	pumilio Rambur, 1842: 154.	Egypt
	reinwardti Selys, 1854: <u>31</u> , 38.	E. Indies
	risi Fraser, 1924: <u>29</u> , 996. (syn. capricornis)	
	rusticatus Fraser, 1928: <u>76</u> , 135. (syn. genei)	

3.1.2.2.8.	sabicus Pinhey, 1950: 21, 270. (syn. <i>fritillarius</i> ?)	
	simplex Lieftinck, 1934: 77, 23. (syn. <i>capricornis</i>)	
	sinaiticus Morton, 1929: 65, 60.	Sinai
	tachyerges Lieftinck, 1934: 77, 30.	Sumba
	viridor Pinhey, 1961: 84.	Uganda
	xanthus Pinhey, 1966: 45, 24.	Congo
	zambeziensis Pinhey, 1961: 96, 266.	Zambezi
	z-viridum Fraser, 1955: 7, 53.	Madagascar
3.1.2.2.9.	Perissogomphus Laidlaw, 1922	
	cyanofrons Fraser, 1923: 29, 48. (syn. <i>stevensi</i>)	
	stevensi Laidlaw, 1922: 24, 383. (= cyanofrons)	N. India
3.1.2.3.	<u>Gomphoidinae.</u> Moderate to large species: abdomen longer than span of hind wings. Trgs traversed; single cross vein in cubital space; anal angle of male hind wing acute. Membranule reduced or absent. New World.	
3.1.2.3.1.	Aphylla Selys, 1854	
	albinensis Belle, 1970: 55, 47.	Surinam
	alia Calvert, 1948: 33, 66.	Guianas
	ambigua Selys, 1873: 36, 505.	C.America
	boliviana Belle, 1972: 115, 222.	Bolivia
	brasiliensis Belle, 1970: 55, 51.	Brasil
	*brevipes Selys, 1854: 21, 78.	Brasil
	caraiba Selys, 1854: 21, 79. (= cubana)	Antilles
	cubana Navas, 1917: 3, 3. (syn. caraiba)	
	curvata Navas, 1933: 29, 191. (? syn. producta)	Brasil
	dentata Selys, 1859: 7, 547.	S.America
	distinguenda Campion, 1920: 6, 132.	Argentina
	edentata Selys, 1869: 28, 196.	S.America
	elegans Belle, 1970: 55, 58. (syn. obscura)	
	hespera Calvert, 1909: 6, 215.	Ecuador
	molossus Selys, 1869: 28, 196.	S.America
	obscura Kirby, 1899: 111, 369. (= elegans)	C. & S.America
	producta Selys, 1854: 21, 79. (? = curvata)	S.America

3.1.2.3.1.	protracta Selys, 1859: <u>7</u> , 546. robusta Belle, 1976: <u>5</u> , 371. simulata Belle, 1964: <u>7</u> , 26. tenuis Selys, 1859: <u>7</u> , 547. theodorina Navas, 1933: <u>29</u> , 192. williamsoni Gloyd, 1936: <u>326</u> , 9.	Mexico to Texas S.America S.America S.America S.America S.E.USA
3.1.2.3.2.	Cacoides Cowley, 1934 (= Cacus Selys, 1854) *latro Erichson, 1848: <u>3</u> , 585, (Ictinus). mungo Needham, 1940: <u>65</u> , 390.	S.America Surinam
3.1.2.3.-.	Desmogomphus Williamson, 1929 (sgen. of Diaphlebia)	
3.1.2.3.3.	Diaphlebia Selys, 1854 (has sgen. Desmogomphus and Perigomphus) *angustipennis Selys, 1854: <u>21</u> , 81. (= rokitanski; = semilibera) nexans Calvert, 1903: <u>14</u> , 184. pallidistylus Belle, 1972: <u>1</u> , 68. (sgen. Perigomphus) paucinervis Selys, 1873: <u>35</u> , 762. (sgen. Desmogomphus) C. & S.America rokitanski St.Quentin, 1973: <u>77</u> , 340. (syn. angustipennis) semilibera Selys, 1869: <u>28</u> , 197. (syn. angustipennis) tigrivensis Williamson, 1920: <u>80</u> , 1. (sgen. Desmogomphus) S.America	Brasil Brasil Costa Rica C. & S.America
3.1.2.3.4.	Gomphoides Selys, 1850 (= Ammogomphus Foerster, 1914; = Negomphoides Muttkowski, 1910) *infumata Rambur, 1842: 170, (Diastatomma). perdita Foerster, 1914: <u>81</u> , 73. praevia St.Quentin, 1970: <u>3</u> , 134.	Brasil Paraguay Brasil
3.1.2.3.5.	Idiogomphoides Belle, 1984 demoulini St.Quentin, 1967: <u>5</u> , 132. ictinius Selys, 1878: <u>46</u> , 644.	Brasil Brasil
3.1.2.3.6.	Mitragomphus Needham, 1944 ganzanus Needham, 1944: <u>69</u> , 216.	Brasil
3.1.2.3.-.	Perigomphus Belle, 1972 (sgen. of Diaphlebia)	
3.1.2.3.7.	Phyllocyclops Calvert, 1948 (= Cyclophylla Selys, 1854) anduzei Needham, 1941: <u>2</u> , 199.	Venezuela

3.1.2.3.7.	argentina Hagen, 1878: <u>46</u> , 665. (= eugeniae)	S.America
	armata Belle, 1977: <u>37</u> , 6.	Brasil
	bartica Calvert, 1948: <u>33</u> , 63.	Guiana
	breviphylla Belle, 1975: <u>4</u> , 65.	C.America
	calverti Kirby, 1897: <u>19</u> , 613.	Brasil
	diphylla Selys, 1854: <u>21</u> , 76.	Brasil
	elongata Selys, 1857: 224.	C.America
	eugeniae Navas, 1927: 25. (syn. argentina)	Argentina
	gladiata Hagen in Selys, 1854: <u>21</u> , 77.	Brasil
	malkini Belle, 1970: <u>55</u> , 75.	Brasil
	modesta Belle, 1970: <u>55</u> , 70.	Surinam
	neotropica Belle, 1970: <u>55</u> , 97.	Surinam
	ophis Selys, 1869: <u>28</u> , 193. (= pachystyla)	S.America
	pachystyla Needham, 1944: <u>69</u> , 204. (syn. ophis)	
	pallida Belle, 1970: <u>55</u> , 109.	S.America
	pegasus Selys, 1869: <u>28</u> , 195.	Brasil
	propinqua Belle, 1972: <u>115</u> , 235.	Brasil
	*signata Hagen in Selys, 1854: <u>21</u> , 77, (Cyclophylla)Brasil	
	sordida Selys, 1854: <u>21</u> , 78.	Brasil
	speculatrix Belle, 1975: <u>4</u> , 68.	C.America
	titschacki Schmidt, 1942: <u>2</u> , 253.	S.America
	vesta Belle, 1972: <u>115</u> , 227.	Argentina
	viridipleuris Calvert, 1909: <u>6</u> , 217.	S.America
	volsella Calvert, 1905: 156.	C.America
3.1.2.3.8.	Phyllogomphoides Belle, 1970	
	acuteus Belle, 1982: 701.	S.America
	albrighti Needham, 1950: <u>76</u> , 1.	Mexico-U.S.A.
	andromeda Selys, 1869: <u>28</u> , 194.	S.America
	angularis Belle, 1982: 701.	S.America
	annectens Selys, 1869: <u>36</u> , 505.	Brasil
	appendiculatus Kirby, 1899: <u>3</u> , 368.	C.America
	atlanticus Belle, 1970: <u>55</u> , 133.	Surinam
	audax Hagen in Selys, 1854: <u>21</u> , 75.	S.America
	bifasciatus Selys, 1878: <u>46</u> , 663.	C.America
	brunneus Belle, 1981: <u>41</u> , 173.	Ecuador
	camposi Calvert, 1909: <u>6</u> , 219.	Ecuador
	cassiopeia Belle, 1975: <u>4</u> , 129.	Paraguay

3.1.2.3.8.	<i>cephus</i> Belle, 1980: <u>9</u> , 176.	Brasil
	<i>cornutifrons</i> Needham, 1944: <u>69</u> , 194.	Trinidad
	<i>cristatus</i> Needham, <u>69</u> , 202.	Surinam
	<i>duodenatus</i> Donnelly, 1979: <u>8</u> , 259.	Mexico
	* <i>fuliginosus</i> Selys, 1854: <u>21</u> , 74, (<i>Gomphoides</i>). S.America	
	<i>imperator</i> Belle, 1976: <u>5</u> , 197.	Venezuela
	<i>insignatus</i> Donnelly, 1979: <u>8</u> , 262.	Panama
	<i>liefitincki</i> Belle, 1970: <u>55</u> , 154.	S.America
	<i>pacificus</i> Selys, 1873: <u>36</u> , 504.	Mexico
	<i>perfidus</i> Hagen, 1861: 112. (syn. <i>suasus</i>)	
	<i>praedatrix</i> Belle, 1982: 701.	S.America
	<i>pugnifer</i> Donnelly, 1979: <u>8</u> , 261.	Mexico
	<i>regularis</i> Selys, 1873: <u>35</u> , 765.	Brasil
	<i>selysi</i> Navas, 1924: <u>18</u> , 6.	Peru
	<i>semicircularis</i> Selys, 1854: <u>21</u> , 76.	S.America
	<i>singularis</i> Belle, 1979: <u>8</u> , 39.	Bolivia
	<i>stigmatus</i> Say, 1839: <u>8</u> , 17.	Mexico-Texas
	<i>suassillus</i> Donnelly, 1979: <u>8</u> , 249.	Guatemala
	<i>suasus</i> Selys, 1859: <u>7</u> , 545. (= <i>perfidus</i>)	C.America
	<i>undulatus</i> Needham, 1944: <u>69</u> , 199.	S.America
3.1.2.3.9.	<i>Progomphus</i> Selys, 1854	
	<i>abbreviatus</i> Belle, 1973: <u>2</u> , 272.	Colombia
	<i>aberrans</i> Belle, 1973: <u>2</u> , 226.	S.America
	<i>adaptatus</i> Belle, <u>2</u> , 214.	Brasil
	<i>alachuensis</i> Byers, 1939: <u>4</u> , 50.	Florida
	<i>amazonicus</i> Belle, 1973: <u>2</u> , 242.	Brasil
	<i>anomalus</i> Belle, 1973: <u>2</u> , 269.	C. & S.America
	<i>approximatus</i> Belle, 1966: <u>8</u> , 25.	S.America
	<i>europictus</i> Ris, 1912: <u>19</u> , 109.	Argentina
	<i>australis</i> Belle, 1973: <u>2</u> , 221.	Argentina
	<i>basistictus</i> Ris, 1911: <u>19</u> , 117.	S.America
	<i>bellei</i> Knopf & Tennessen, 1980: <u>9</u> , 247.	Florida
	<i>boliviensis</i> Belle, 1973: <u>2</u> , 265.	Bolivia
	<i>borealis</i> McLachlan, 1873: <u>35</u> , 764.	Mexico to S.USA
	<i>brachycnemis</i> Needham, 1944: <u>69</u> , 208.	Guyanas
	<i>clendoni</i> Calvert, 1905: 150.	C.America
	<i>complicatus</i> Selys, 1854: <u>21</u> , 70.	S.America
	<i>conjectus</i> Belle, 1966: <u>8</u> , 17.	Surinam

3.1.2.3.9.	<i>costalis</i> Hagen in Selys, 1854: <u>21</u> , 71.	Brasil
	<i>delicatus</i> Belle, 1973: <u>2</u> , 239.	Peru
	<i>dorsopallidus</i> Byers, 1934: <u>294</u> , 1.	S.America
	<i>elegans</i> Belle, 1973: <u>2</u> , 216.	Brasil
	<i>fassli</i> Belle, 1973: <u>2</u> , 286.	Brasil
	<i>flinti</i> Belle, 1975: <u>4</u> , 129.	Paraguay
	<i>formalis</i> Belle, 1973: <u>2</u> , 262.	Ecuador
	<i>geijskesi</i> Needham, 1944: <u>69</u> , 211.	Surinam
	* <i>gracilis</i> Hagen in Selys, 1854: <u>21</u> , 70.	Brasil
	<i>guyanensis</i> Belle, 1966: <u>8</u> , 20.	Surinam
	<i>herrerae</i> Needham & Etcheverry, 1956: <u>40</u> , 214.	Chile
	<i>incurvatus</i> Belle, 1973: <u>2</u> , 278.	Peru
	<i>integer</i> Hagen in Selys, 1878: <u>46</u> , 659.	Antilles
	<i>intricatus</i> Hagen in Selys, 1857: 421.	S.America
	<i>joergensenii</i> Ris, 1908: 521.	S.America
	<i>kimminsi</i> Belle, 1973: <u>2</u> , 292.	Argentina
	<i>lepidus</i> Ris, 1911: <u>19</u> , 111.	S.America
	<i>longistigma</i> Ris, 1918: <u>82</u> , 139.	C.America
	<i>meridionalis</i> Hagen, 1885: 276. (syn. <i>obscurus</i>)	
	<i>mexicanus</i> Belle, 1973: <u>2</u> , 253.	C.America
	<i>montanus</i> Belle, 1973: <u>2</u> , 289.	Bolivia
	<i>nervis</i> Belle, 1973: <u>2</u> , 257.	Peru
	<i>obscurus</i> Rambur, 1842: 170. (= <i>meridionalis</i>)	U.S.A.
	<i>occidentalis</i> Belle, 1983: <u>126</u> , 140.	Venezuela
	<i>perithemoides</i> Belle, 1980: <u>9</u> , 173.	Brasil
	<i>perpusillus</i> Ris, 1918: <u>82</u> , 144.	Peru
	<i>phyllochromus</i> Ris, 1916: <u>82</u> , 143.	S.America
	<i>pipversi</i> Belle, 1966: <u>8</u> , 11.	Surinam
	<i>polygonus</i> Selys, 1879: <u>22</u> , 68.	Venezuela
	<i>pygmaeus</i> Selys, 1873: <u>36</u> , 502.	C. & S.America
	<i>racenisi</i> De Marmels, 1983: <u>12</u> , 5.	Venezuela
	<i>recticarinatus</i> Calvert, 1909: <u>6</u> , 73.	Brasil
	<i>recurvatus</i> Ris, 1911: <u>19</u> , 114.	Brasil
	<i>risi</i> Williamson, 1920: <u>80</u> , 3.	C.America
	<i>serenus</i> Hagen in Selys, 1878: <u>46</u> , 661.	Antilles
	<i>suberbus</i> Belle, 1973: <u>2</u> , 282.	Ecuador
	<i>tantillus</i> Belle, 1973: <u>2</u> , 280.	Bolivia
	<i>tibialis</i> Belle, 1973: <u>2</u> , 244.	Surinam

- 3.1.2.3.9. *victor* St.Quentin, 1973: 77, 354. Brasil
virginiae Belle, 1973: 2, 207. Brasil
williamsi Needham, 1943: 2, 202. Mexico
zephyrus Needham, 1941: 67, 226. Antilles
zonatus Hagen in Selys, 1854: 21, 72. C.America
- 3.1.2.3.10. *Zonophora* Selys, 1854
annulata Belle, 1983: 126, 152.
 (ssp. of *campanulata*) Brasil
batesi Selys, 1869: 28, 198.
 (= *bodkini*) S.America
bodkini Campion, 1920: 6, 136.
 (syn. *batesi*)
calippus Selys, 1859: 28, 199.
 (has ssp. *klugi* & *spectabilis*) S.America
**campanulata* Burmeister, 1839: 2, 833, (*Diastatomma*)Brasil
 (has ssp. *annulata* & *machadoi*)
diversa Belle, 1983: 126, 153. S.America
klugi Schmidt, 1941: 81.
 (ssp. of *calippus*) Peru
machadoi St.Quentin, 1973: 77, 339.
 (ssp. of *campanulata*) Brasil
nobilis Belle, 1983: 126, 159. Brasil
obscura Belle, 1976: 5, 203.
 (ssp. of *solitaria*) Venezuela
regalis Belle, 1976: 5, 200. Venezuela
solitaria Racenis, 1970: 7, 23.
 (has ssp. *obscura*) Venezuela
spectabilis Campion, 1920: 6, 138.
 (ssp. of *calippus*) S.America
supratriangularis Schmidt, 1941: 83, 88. Brasil
surinamensis Needham, 1944: 69, 219. S.America
wucherpfennigi Schmidt, 1941: 84, 94. Brasil
- 3.1.2.4. *Hageniinae*. Very large species. Trgs elongate and uncrossed in all wings; fork of IR_{iiii} symmetrical; 2 cross veins connect MA and IR_{iiii} in hind wing; strong longitudinal vein from trgs.
- 3.1.2.4.1. *Hagenius* Selys, 1854
brevistylus Selys, 1854: 21, 82. N.America
- 3.1.2.4.2. *Sieboldius* Selys, 1854
albardae Selys, 1886: 30, 141. E.Asia
alexanderi Chao, 1955: 5, 74. China
deflexus Chao, 1955: 5, 76. China
gigas, Martin, 1904: 3, 216. Indo-China

- 3.1.2.4.2. *grandis* Krueger, 1898: 59, 311.
 (syn. *japonicus*)
- herculeus* Needham, 1930: 11, 30. China
- **japonicus* Selys, 1854: 21, 83. S.E.Asia
 (= *grandis*)
- nigricolor* Fraser, 1924: 8, 76. Burma
- 3.1.2.5. Lindeniinae (Ictinogomphinae). Large species. Trgs traversed; several cross veins in cubital space. Membrane distinct. Old World equivalent to Gomphoidinae.
- 3.1.2.5.1. *Cinitogomphus* Pinhey, 1964
- **dundoensis* Pinhey, 1961: 56, 73, (Ictinogomphus). Angola
 (has ssp. *guyi*)
- guyi* Pinhey, 1967: 3, 12. S.C.Africa
 (ssp. of *dundoensis*)
- 3.1.2.5.2. *Diastatomma* Burmeister, 1839
 (= *Longchampia* Kirby, 1890)
- bicolor* Selys, 1869: 28, 201. Africa
- multilineata* Fraser, 1949: 42, 112. Congo
- ortizi* Compte Sart, 1964: 17. Guinea
 (syn. *selysi*?)
- ruwenzorica* Pinhey, 1961: 63. Africa
- selysi* Schouteden, 1934: 3, 58. Congo
 (= *ortizi* ?)
- soror* Schouteden, 1934: 3, 59. Congo
- **tricolor* Palisot de Beauvois, 1805: 67, (Aeshna). W.Africa
- 3.1.2.5.3. *Gomphidia* Selys, 1854
- abbotti* Williamson, 1907: 33, 282. S.E.Asia
 (has ssp. *audax*)
- aberrans* Schouteden, 1934: 3, 56. Congo
- audax* Lieftinck, 1948: 19, 263. S.Sumatra
 (ssp. of *abbotti*)
- balii* Fraser, 1949: 42, 106. Congo
- bredoii* Schouteden, 1934: 3, 56. Congo
 (= *longiventris*)
- caesarea* Lieftinck, 1929: 72, 139. W.Borneo
- confini* Pinhey, 1974: 1, 3. Mozambique
 (ssp. of *quarrei*)
- confluens* Selys, 1878: 46, 675. E.Asia
- fletcheri* Fraser, 1923: 29, 669. India
- ganeshi* Chhotani, 1983: 80, 467. Andaman Is.
- javanica* Foerster, 1899: 66. Java
- kelloggi* Needham, 1930: 11, 28. China
- kirschi* Selys, 1878: 46, 673. Luzon

3.1.2.5.3.	kodaguensis Fraser, 1923: <u>29</u> , 671. kruegeri Martin, 1904: <u>3</u> , 216. longiventris Fraser, 1955: <u>51</u> , 39. (syn. bredoi) maclachlani Selys, 1873: <u>35</u> , 767. madi Pinhey, 1961: 64. pearsoni Fraser, 1933: <u>16</u> , 21. platerosi Asahina, 1980: <u>6</u> , 79. platyceps Fraser, 1953: <u>22</u> , 189. quarrei Schouteden, 1934: <u>3</u> , 57. (has ssp. confini) sjoestedti Schouteden, 1934: <u>3</u> , 59. *t-nigrum Selys, 1854: <u>21</u> , 86. williamsoni Fraser, 1923: <u>29</u> , 670.	India Indo-China Philippines Hindustan Congo Congo N. India India
3.1.2.5.4.	Gomphidictinus Fraser, 1942 perakensis Laidlaw, 1902: <u>1</u> , 81. (= wheeleri) wheeleri Fraser, 1942: <u>10</u> , 100. (syn. perakensis)	Malaya
3.1.2.5.5.	Ictinogomphus Cowley, 1934 (= Ictinus; incl. Austrictinogomphus Fraser, 1946 & Indictinogomphus Fraser, 1939) acutus Laidlaw, 1914: 51. alaquopterus Yousuf & Yunus, 1976: <u>19</u> , 118. angulosus Selys, 1854: <u>21</u> , 92. (= atrox) atrox Selys, 1854: <u>21</u> , 92. (syn. angulosus) australis Selys, 1873: <u>35</u> , 769. (has ssp. dobsoni & lieftincki) celebensis Schmidt, 1934: <u>13</u> , 357. (has ssp. velox) decoratus Selys, 1854: <u>21</u> , 89. (has ssp. melaenops [= sumatranaus]) dobsoni Watson, 1969: <u>17</u> , 88. (ssp. of australis) fallax Selys, 1854: <u>21</u> , 91. (syn. rapax) *ferox Rambur, 1842: 173, (Ictinus). (= pugnax) fraseri Kimmins, 1958: <u>7</u> , 354. lieftincki Schmidt, 1934: <u>13</u> , 359. (ssp. of australis) melaenops Selys, 1857: <u>272</u> , 426. (ssp. of decoratus)	N.Borneo India India Papua-N.Australia N.Celebes Java W.Australia Africa Sierra Leone N. New Guinea Sumatra

- 3.1.2.5.5.
- mordax* Selys, 1857: 433.
(syn. *rapax*)
 - pertinax* Selys, 1854: 21, 88.
(syn. *rapax*)
 - praecox* Selys, 1854: 21, 89.
(syn. *rapax*)
 - pugnax* Selys, 1854: 21, 95.
(syn. *ferox*)
 - pugnovittatus* Yousuf & Yunus, 1976: 19, 18. India
 - rapax* Rambur, 1842: 169. S. & E. Asia
(= *fallax*; = *mordax*; = *pertinax*;
= *praecox*; = *vorax*)
 - regisalberti* Schouteden, 1934: 3, 54. Congo
 - sumatranus* Krueger, 1898: 59, 356.
(syn. *decoratus melaenops*)
 - tenax* Selys, 1854: 21, 88. Luzon
 - velox* Schmidt, 1934: 13, 360. S.Celebes
(ssp. of *celebensis*)
 - vorax* Rambur, 1842: 171.
(syn. *rapax*)
- 3.1.2.5.6.
- Lindenia* de Haan, 1826
(= *Vanderia* Kirby, 1890)
 - phyllura* Eichwald, 1829: 1, 224.
(syn. *tetraphylla*)
 - praedator* Rambur, 1842: 173.
(syn. *tetraphylla*)
 - quadrifoliata* Eversmann, 1854: 27, 194.
(syn. *tetraphylla*)
 - **tetraphylla* Van der Linden, 1825: 32, (Aeshna). Europe
(= *phyllura*; = *praedator*; = *quadrifoliata*)
- 3.1.2.5.7.
- Sinictinogomphus* Fraser, 1945
 - **clavatus* Fabricius, 1775: 425, (Aeshna). E. Asia
(= *phaleratus*)
 - phaleratus* Selys, 1854: 21, 94.
(syn. *clavatus*)
- 3.1.3. Neopetaliiidae. Medium to large species. Eyes only just touching. Trgs only slightly elongated, close to arc and to base of wing. IRili unforked; no anal loop; unique pattern of red spots along costal borders of wings. Male with inferior appendage trifid. Larva with broadly up-curved lateral lobes on segments 3-8. Compact group confined to Australia and S. América.
- 3.1.3.1.1.
- Archipetalia* Tillyard, 1917
 - auriculata* Tillyard, 1917: 42, 455. Tasmania
- 3.1.3.1.2.
- Austropetalia* Tillyard, 1916

- 3.1.3.1.2. *apollo* Tillyard, 1906: 31, 722, (*Petalia*)
 (syn. *patricia*)
- patricia* Tillyard, 1909: 34, 677, (*Phyllopetalia*).
 (= *apollo*) S.E.Australia
- 3.1.3.1.3. *Hypopetalia* McLachlan, 1870
 pestilens McLachlan. 1870: 171. Chile
- 3.1.3.1.4. *Neopetalia* Cowley, 1934
 punctata Hagen in Selys, 1854: 21, 107, (*Petalia*). Chile
- 3.1.3.1.5. *Phyllopetalia* Selys, 1857
 apicalis Selys, 1857: 359. Chile
 (= *decorata*)
- apollo* Selys, 1878: 46, 695. Chile
- decorata* Selys, 1878: 46, 695.
 (syn. *apicalis*)
- **stictica* Hagen in Selys, 1857: 357. Chile
- 3.1.4. *Petaluridae*. Eyes widely separated; ovipositor present; very long stigma, separated from its brace. Dc different in front and hind wings. Anal loop of 3 to 5 cells. Male superior anal appendages broadly foliate. Larva lives in damp soil. Labium deeply bifid.
- 3.1.4.1. *Petalurinae*. Very large forms. Close venation; primary antenodals separated by not less than 4-5 secondaries in all wings; Dc crossed in fore and hind wings.
- 3.1.4.1.1. *Petalura* Leach, 1815
 *gigantea Leach, 1815: 3, 96. E.Australia
 hesperia Watson, 1958: 27, 116. W.Australia
 ingentissima Tillyard, 1908: 32, 708. Queensland
 pulcherrima Tillyard, 1913: 37, 582. Queensland
- 3.1.4.1.2. *Phenes* Rambur, 1842
 raptor Rambur, 1842: 176. Chile
- 3.1.4.1.3. *Tachopteryx* Selys, 1859
 thoreyi Hagen, 1857: 373, (*Uropetala*). E. of N.America
- 3.1.4.1.4. *Uropetala* Selys, 1857
 *carovei White, 1843: 2, 281, (*Petalura*). New Zealand
 (has ssp. *chiltoni*)
 chiltoni Tillyard, 1921: 53, 344. New Zealand
 (ssp. of *carovei*)
- 3.1.4.2. *Tanypteryginae*. Large forms with black and yellow contrast pattern of Gomphine style. Less close venation, primary antenodals separated by only 3 secondaries in fore and 2 in hind wings; Dc of hind wing not crossed.
- 3.1.4.2.1. *Tanypteryx* Kennedy, 1917
 *hageni Selys, 1879: 22, 68, (*Tachopteryx*). W. of N.America
 pryeri Selys, 1889: 33, 158. Japan

3.2. Cordulegastroidea. Some Aeshnine and Libelluline associations. Eyes usually just touching. Primary antenodals retained. Ovipositor reduced. Adult labium deeply bifid; in larva, indented and spoon shaped with setae and broad lateral lobes. Northern Hemisphere only.

3.2.1. Cordulegastridae. Large or very large forms; black with yellow colouring only.

3.2.1.1. Chlorogomphinae. Wings often coloured, especially in female. Trg equilateral in fore wings, transversely elongated in hind wing. Median space crossed. Hind wing broadened with anal loop of 7-35 cells. Tibia keeled. Ovipositor absent.

3.2.1.1.1.	<i>Chlorogomphus</i> Selys, 1854 (incl. <i>Orogomphus</i> Selys, 1878)	
	arooni Asahina, 1981: 20, 35.	Thailand
	atkinsoni Selys, 1878: 46, 682.	India
	auratus Martin, 1910: 66.	Indochina
	brevistigma Oguma 1926: 1, 87. (has ssp. <i>okinawensis</i>)	Formosa
	brittoi Navas, 1934: 17, 29.	India
	brunneus Oguma, 1926: 1, 87. (has ssp. <i>costalis</i> & <i>keramensis</i>)	Formosa
	campioni Fraser, 1924: 26, 467.	W.India
	costalis Asahina, 1949: 17, 3. (ssp. of <i>brunneus</i>)	Japan
	dyak Laidlaw, 1913: 57, 192.	Malaysia
	fraseri St.Quentin, 1936: 25, 103.	Assam
	holophaeus Navas, 1936: 3, 42. (form of <i>infuscatus</i>)	China
	hyalinus Selys, 1873: 36, 529. (syn. <i>magnificus</i>)	
	infuscatus Needham, 1930: 11, 99. (has form <i>holophaeus</i>)	China
	iriomotensis Ishida, 1972: 1, 1.	Ryukyu Is.
	keramensis Asahina, 1972: 15, 7. (ssp. of <i>brunneus</i>)	Tokashika Is.
	kimminsi Fraser, 1940: 9, 55.	Nias Is.
	*magnificus Selys, 1854: 21, 99. (= <i>hyalinus</i>)	Java, Sumatra
	mortoni Fraser, 1936: 5, 22.	Sikkim
	nasutus Needham, 1930: 11, 97.	China
	okinawensis Ishida, 1964: 1, 42. (ssp. of <i>brevistigma</i>)	Ryukyu Is.
	olympicus Fraser, 1933: 9, 257.	N.India

3.2.1.1.1.	papilio Ris, 1927: <u>16</u> , 104. preciosus Fraser, 1924: <u>8</u> , 75. risi Chen, 1950: <u>3</u> , 141. selysi Fraser, 1929: <u>9</u> , 158. speciosus Selys, 1891: <u>10</u> , 481. splendidus Selys, 1878: <u>46</u> , 681. suzukii Oguma, 1926: <u>1</u> , 88. tunti Needham, 1930: <u>11</u> , 97. urolobatus Chen, 1950: <u>3</u> , 142. vietnamensis Asahina, 1969: <u>16</u> , 10. xanthoptera Fraser, 1919: <u>26</u> , 874.	China Sikkim Taiwan N.E. India Burma Luzon Taiwan China China Vietnam S.India
3.2.1.2.	<u>Cordulegastrinae</u> . Wings in both sexes similar and clear. Trg similar and slightly elongated in all wings; anal loop with 4-6 cells. Median space free. Tibia with no keel. Long pseudo-ovipositor.	
3.2.1.2.1.	Anotogaster Selys, 1854	
	basalis Selys, 1854: <u>21</u> , 102. (has spp. palampurensis)	N.India
	gigantica Fraser, 1924: <u>30</u> , 48.	Burma
	gregoryi Fraser, 1923: <u>19</u> , 453.	Yunnan
	klossi Fraser, 1919: <u>3</u> , 456.	Annam
	kuchenbeiseri Foerster, 1899: 69. (ssp. of sieboldii)	N.China
	myosa Needham, 1930: <u>11</u> , 101.	China
	*nipalensis Selys, 1854: <u>21</u> , 102.	Nepal
	palampurensis Fraser, 1929: <u>9</u> , 88. (ssp. of basalis)	Sikkim
	sieboldii Selys, 1854: <u>21</u> , 107. (has ssp. kuchenbeiseri)	China/Japan
3.2.1.2.2.	Cordulegaster Leach, 1815 (incl. Kuldanagaster Yousuf, 1974 & Thecagaster Selys, 1854)	
	algirica Morton, 1915: 278. (ssp. of boltonii)	Algeria
	amasina Morton, 1915: 286. (syn. insignis)	
	anatolica Selys, 1873: <u>3</u> , 65. (syn. boltonii intermedia)	
	annulata Latreille, 1805: <u>13</u> , 6. (syn. boltonii)	
	bidentata Selys, 1843: <u>10</u> , 7. (has form sicilica)	Europe
	*boltonii Donovan, 1807: <u>12</u> , 430. (= annulata; = luhulata; has ssp. algirica; ssp. immaculifrons; intermedia [= anatolica]; trinactiae)	Europe

3.2.1.2.2.	brevistigma Selys, 1854: <u>21</u> , 103. (= pakistanica; has ssp. folia)	India
	charpentieri Kolenati, 1846: <u>5</u> , 114. (ssp. of insignis)	Black Sea area
	charpentieri Selys, 1887: <u>31</u> , 1. (syn. picta)	
	coronata Morton, 1916: 287. (ssp. of insignis)	Turkestan
	diadema Selys, 1868: <u>11</u> , 68.	C. & N.America (S.W.)
	deserticola Cruden, 1969: <u>45</u> , 128. (syn. dorsalis)	
	dorsalis Hagen in Selys, 1858: 347. (= deserticola)	W. of N.America
	erronea Hagen in Selys, 1876: <u>56</u> , 688.	USA
	folia Fraser, 1929: <u>9</u> , 120. (ssp. of brevistigma)	Himalayas
	godmani McLachlan, 1870: <u>15</u> , 35.	C.America
	heros Theischinger, 1979: <u>8</u> , 29. (has ssp. pelionensis)	S.E.Europe
	immaculifrons Selys, 1857: 335. (ssp. of boltonii)	S.Europe
	insignis Schneider, 1845: 114. (= amasina; has ssp. charpentieri Kolenati [= lagodechica; = montandoni] coronata & nobilis)	Asia Minor
	intermedia Selys, 1857: 335. (ssp. of boltonii)	Dalmatia
	lagodechica Barteneff, 1930: <u>3</u> , 14. (syn. insignis charpentieri)	
	lunifera Selys, 1878: <u>56</u> , 691. (has ssp. pekinensis)	Tibet
	lunulata Charpentier, 1825: 29. (syn. boltonii)	
	maculata Selys, 1854: <u>21</u> , 105.	N.America
	magnifica Barteneff, 1930: <u>3</u> , 8.	S.Europe
	montandoni St.Quentin, 1971: <u>16</u> , 205. (syn. insignis charpentieri)	Romania
	mzymtae Barteneff, 1929: <u>85</u> , 60.	Caucasus-Turkey
	nobilis Morton, 1915: 286. (ssp. of insignis)	
	pakistanica Yousuf & Yunus, 1974: <u>6</u> , 144. (syn. brevistigma)	
	pekinensis Selys, 1886: <u>30</u> , 182. (ssp. of lunifera)	N.China
	pelionensis Theischinger, 1979: <u>8</u> , 32. (ssp. of heros)	S.E.Europe
	picta Selys, 1854: 87. (= charpentieri Selys)	Caucasus to Balkans
	princeps Morton, 1915: 278.	N.W.Africa

3.2.1.2.2.	sicilica Fraser, 1929: <u>9</u> , 112. (form of bidentata)	Sicily
	trinacriae Waterston, 1976: <u>69</u> , 457. (ssp. of boltoni)	Sicily
3.2.1.2.3.	Neallogaster Cowley, 1934 (= Allogaster Selys, 1878)	
	annandalei Fraser, 1924: <u>19</u> , 451.	Yunnan
	hermionae Fraser, 1927: <u>29</u> , 76.	N.India
	*latifrons Selys, 1878: <u>56</u> , 684, (Allogaster).	N.India
	ornata Asahina, 1982: <u>8</u> , 164. (= parvistigma Fraser)	Himalayas
	parvistigma Selys, 1873: 508.	Himalayas
	parvistigma Fraser; 1929: 81. (syn. ornata)	
	schmidti Asahina, 1982: <u>8</u> , 167. (= (Cordulegaster) insignis coronatus Morton)	Afghanistan
3.2.1.2.4.	Taeniogaster Selys, 1854	
	fasciata Rambur, 1842: 178. (syn. obliqua)	
	obliqua Say, 1838: <u>8</u> , 15, (Aeschna). (= fasciata)	N.America
3.2.1.2.5.	Zoraena Kirby, 1890 (= Thecaphora Selys, 1854)	
	bilineata Carle, 1983: <u>76</u> , 61.	N.America
	*diastatops Selys, 1854: <u>21</u> , 101, (Thecaphora). (= lateralis)	N.America
	lateralis Scudder, 1866: <u>10</u> , 211. (syn. diastatops)	
	sayi Selys, 1854: <u>21</u> , 104.	N.America

3.3. Libelluloidea. Small to large species. Eyes broadly confluent. Antenodals of first and second series corresponding; primary antenodals usually not evident. Trgs in fore wings transversely elongated and remote from arc and with subtriangle; in hind wings longitudinal, close to arc and with no subtriangle. No ovipositor. Larval mask spoon shaped with setae and broad lateral lobes.

3.3.1. Corduliidae. Small to large sized forms, often metallic green body. Antenodals in hind wing of equal thickness; no cross veins in basal space; Dc differs in fore and hind wings; hind wing angulated at base in male (except Hemicordulia), and oreilletts on segment 2. Tibia keeled in male.

3.3.1.1. Cordulephyinae. Small forms with base of hind wing not broader than in fore wing; anal loop of 2-3 cells; trg in all wings with costal side angled; trg in hind wing distant from arc. Wings fold over back when at rest.

3.3.1.1.1. *Cordulephya* Selys, 1871

<i>bidens</i> Sjoestedt, 1917: 11, 7.	N.E.Australia
<i>divergens</i> Tillyard, 1917: 42, 467.	E.Australia
<i>montana</i> Tillyard, 1911: 36, 392.	E.Australia
* <i>pygmaea</i> Selys, 1871: 31, 316.	E.Australia

3.3.1.2. Corduliinae. Medium sized forms, most genera metallic green.

Costal sides of trgs straight. Less than 3 cross veins in cubital space; sectors of arc diverging from origin; no accessory cross veins to bridge; trg of fore wing recessed to level of arc, with cross vein and subtrigone of 2-3 cells; anal loop well developed with midrib.

3.3.1.2.1. *Aeschnosoma* Selys, 1870

<i>auripennis</i> Geijskes, 1970: 12, 27.	Surinam
* <i>elegans</i> Selys, 1871: 31, 522.	Amazon
<i>forcipula</i> Hagen in Selys, 1871: 31, 523. (= <i>peruviana</i>)	Brasil-Peru
<i>marizae</i> Santos, 1981: 10, 43.	Brasil
<i>peruviana</i> Cowley, 1934: 3, 92. (syn. <i>forcipula</i>)	
<i>rustica</i> Selys, 1871: 31, 524.	Brasil

3.3.1.2.2. *Antipodochlora* Fraser, 1939

<i>braueri</i> Selys, 1871: 31, 284, (Epitheca).	New Zealand
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3.3.1.2.3. *Cordulia* Leach, 1815

<i>amurensis</i> Selys, 1887: 31, 51. (ssp. of <i>aenea</i>)	E.Asia
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- 3.3.1.2.3. **aenea* Linnaeus, 1758: 544, (Libellula). Palaearctic
 (has ssp. *amurensis*; *laubmanni*; *selysi* & *turfosa*;
 forms *brachycauda* and *longicauda*)
- brachycauda* Goertler, 1948: 11, 40. Czechoslovakia
 (form of *aenea*)
- laubmanni* Goetz, 1923: 13, 36. N.Alps
 (ssp. of *aenea*)
- longicauda* Goertler, 1948: 11, 40. Czechoslovakia
 (form of *aenea*)
- selysi* Belyshev, 1956: 3, 190. Siberia
 (ssp. of *aenea*)
- turfosa* Foerster, 1902: 15, 4. W.Germany
 (ssp. of *aenea*)
- shurtleffi* Scudder, 1866: 10, 217. N.America
- 3.3.1.2.4. *Dorocordulia* Needham, 1901
- errans* Calvert, 1909: 6, 225. Brasil
- lepidia* Hagen in Selys, 1871: 31, 264. N.E. of N.America
- **libera* Selys, 1871: 31, 263, (Cordulia). N.E. of N.America
- 3.3.1.2.5. *Epicordulia* Selys, 1871
- / **princeps* Hagen, 1861: 134, (Epitheca). N.America
- regina* Hagen in Selys, 1871: 31, 277. S.E.USA
 (prob. form of *princeps*)
- 3.3.1.2.6. *Epitheca* Burmeister, 1839
- altaica* Belyshev, 1951: 31, 505. Altai Mts.
 (ssp. of *bimaculata*)
- **bimaculata* Charpentier, 1825: 43, (Libellula). Eurasia
 (has ssp. *altaica* & *sibirica*, [= *fuchiana*])
- fuchiana* Eversmann, 1836: 9, 235.
 (syn. *bimaculata sibirica*)
- marginata* Selys, 1883: 27, 109. Japan
- sibirica* Selys, 1887: 31, 59. N.Asia
 (ssp. of *bimaculata*)
- 3.3.1.2.7. *Guadaluca* Kimmings, 1957
- insularis* Kimmings, 1957: 5, 317. Guadalcanal
- 3.3.1.2.8. *Helocordulia* Needham, 1901
- selysi* Hagen, 1878: 45, 189. S.E.USA
- **uhleri* Selys, 1871: 31, 274, (Cordulia) E. of N.America
- 3.3.1.2.9. *Hemicordulia* Selys, 1871
- apoensis* Asahina, 1980: 6, 93. Mindanao
- asiatica* Selys, 1878: 45, 186. India, Africa
- assimilis* Hagen in Selys, 1871: 37, 251. N.Celebes
- **australiae* Rambur, 1842: 146, (Cordulia). Australasia
 (= *magica*)
- chrysochlora* Lieftinck, 1953: 64, 188. Sumba
- continentalis* Martin, 1906: 17, 13. N.E.Australia

3.3.1.2.9.	cupricolor Fraser, 1927: <u>7</u> , 37.	Samoa
	cyclopica Lieftinck, 1942: <u>18</u> , 546.	W.New Guinea
	delicata Martin, 1896: <u>9</u> , 105. (ssp. of similis)	Seychelles
	eduardi Lieftinck, 1953: <u>64</u> , 185.	Sumba
	ericetorum Lieftinck, 1942: <u>18</u> , 556.	W.C.New Guinea
	erico Asahina, 1940: <u>3</u> , 8.	Caroline Is.
	fidelis McLachlan, 1886: <u>23</u> , 104.	Melanesia
	gracillima Fraser, 1944: <u>13</u> , 87. (syn. tenera)	
	haluco Asahina, 1940: <u>3</u> , 3.	Caroline Is.
	hilaris Lieftinck, 1975: <u>9</u> , 154.	New Caledonia
	hilbrandi Lieftinck, 1942: <u>18</u> , 548.	W.New Guinea
	intermedia Selys, 1871: <u>31</u> , 255.	N. & E.Australia
	koomina Watson, 1969: <u>17</u> , 97.	N.W.Australia
	lulico Asahina, 1940: <u>3</u> , 5.	Yap Is.
	magica Lieftinck, 1937: <u>16</u> , 107. (syn. australiae)	
	mindana Needham & Gyger, 1937: <u>63</u> , 64. (has ssp. nipponica)	Mindanao
	mumfordi Needham, 1933: <u>114</u> , 167.	Marquesas
	nipponica Asahina, 1980: <u>6</u> , 97. (ssp. of mindana)	Japan
	novaehollandiae Selys, 1871: <u>31</u> , 254.	Australia
	oceania Selys, 1871: <u>31</u> , 251.	Tahiti
	ogasawarensis Oguma, 1922: 103.	Bonin Is.
	okinawensis Asahina, 1947: <u>17</u> , 79.	Okinawa
	olympica Lieftinck, 1942: <u>18</u> , 549.	W.C.New Guinea
	pacifica Fraser, 1925: 435.	Samoa
	silvarum Ris, 1913: <u>3</u> , 500.	S.W.New Guinea
	similis Rambur, 1842: 147. (has ssp. delicata)	Madagascar
	superba Tillyard, 1911: <u>36</u> , 368.	E.Australia
	tau Selys, 1871: <u>31</u> , 256.	Australasia
	tenera Lieftinck, 1930: <u>12</u> , 157. (= gracillima)	E.Indies
	toxopei Lieftinck, 1926: <u>7</u> , 281.	Buru
	virens Rambur, 1842: 147.	Mauritius
3.3.1.2.10.	Heteronaia Needham & Gyger, 1937	
	heterodoxa Selys, 1878: <u>55</u> , 192, (Epitheca)	Luzon
3.3.1.2.11.	Libellulosoma Martin, 1906	
	minuta Martin, 1906: <u>17</u> , 60.	Madagascar

- 3.3.1.2.12. *Metaphya* Laidlaw, 1912
 (= *Anacordulia* Tillyard, 1926)
 elongata Campion, 1921: 8, 64. New Caledonia
 maccullochi Tillyard, 1926: 15, 162.
 (syn. *tillyardi*)
 **micans* Laidlaw, 1912: 1, 1. N.W.Borneo
 stueberi Lieftinck, 1938: 2, 127.
 (syn. *tillyardi*)
 tillyardi Ris, 1913: 9, 497.
 (= *maccullochi*; = *stueberi*) New Guinea
- 3.3.1.2.13. *Neurocordulia* Selys, 1871
 alabamensis Hodges, 1955: 356. S.E.USA
 clara Muttkowsky, 1910: 8, 170 S.USA
 molesta Walsh, 1863: 2, 254. C.USA
 **obsoleta* Say, 1839: 8, 29, (*Libellula*). USA
 (= *polysticta*)
 polysticta Burmeister, 1839: 2, 856.
 (syn. *obsoleta*)
 virginiensis Davis, 1927: 22, 155. S.USA
 yamaskanensis Provancher, 1875: 7, 248. E. of N.America
- 3.3.1.2.14. *Paracordulia* Martin, 1906
 sericea Selys, 1871: 31, 262, (*Cordulia*). Brasil
- 3.3.1.2.15. *Pentathemis* Karsch, 1890
 membranulata Karsch, 1890: 16, 33. N.Australia
- 3.3.1.2.16. *Platycordulia* Williamson, 1908
 xanthosoma Williamson, 1908: 19, 432. S.USA
- 3.3.1.2.17. *Procordulia* Martin, 1907
 **affinis* Selys, 1871: 31, 260, (*Somatochlora*). S.W.Australia
 • *artemis* Lieftinck, 1930: 12, 159. W.Java
 • *astridae* Lieftinck, 1935: 15, 159. N.New Guinea
 • *fusiformis* Lieftinck, 1977: 11, 162. N.Borneo
 grayi Selys, 1871: 31, 283. New Zealand
 • *irregularis* Martin, 1907: 17, 16. Fiji
 • *jacksoniensis* Rambur, 1842: 147. S.E.Australia
 • *karnyi* Fraser, 1926: 8, 472. Malaysia
 • *leopoldi* Fraser, 1932: 3, 19. N.W.New Guinea
 moroensis Lieftinck, 1977: 11, 157. Mindanao
 novaesealandiae Brauer, 1865: 15, 501.
 (syn. *smithi*)
 • *sambawana* Foerster, 1899: 165. Sumbawa
 smithi White, 1846: 1.
 (= *novaesealandiac*) New Zealand

- 3.3.1.2.17. *sylvia* Lieftinck, 1935: 17, 280. N.New Guinea
- 3.3.1.2.18. *Rialla* Navas, 1915
 (= *Anticordulia* Needham, 1943)
membranata Navas, 1915: 4, 148.
 (syn. *villosa*)
- **villosa* Rambur, 1842: 144, (*Cordulia*) S.America
 (= *membranata*)
- 3.3.1.2.19. *Somatochlora* Selys, 1871
 (= *Chlorosoma* Charpentier, 1840)
abocanica Belyshev, 1955: 131, 388. Siberia
 (form of *metallica*)
- albicincta* Burmeister, 1839: 2, 847. Canada - N.USA
 (= *eremita*; has form *massetensis*)
- alpestris* Selys, 1840: 65, 210. Palaearctic
- arctica* Zetterstedt, 1840: 1040. Palaearctic
 (= *gratiosa*; = *subalpina*; has forms
fuscoptera, *infuscata* & *ornata*)
- atrovirens* Selys, 1883: 27, 108. Japan
 (ssp. of *viridiaenea*)
- aureola* Oguma, 1922: 104. E.Asia
 (ssp. of *graeseri*)
- borealis* Bartenev, 1909: 12, 23. (syn. *graeseri*)
- brevicincta* Robert, 1954: 86, 419. N.America
- calverti* Williamson & Gloyd, 1933: 262, 1. Florida (USA)
- charadraea* Williamson, 1907: 18, 5.
 (syn. *ensigera*)
- cingulata* Selys, 1871: 31, 302. Canada - N.USA
- clavata* Oguma, 1922: 105. Japan
- coreana* Doi, 1938: 1, 150.
 (syn. *exuberata*)
- daviesi* Lieftinck, 1977: 11, 157. N.India
- dido* Needham, 1930: 11, 114. China
- elongata* Scudder, 1866: 10, 218. N.America
 (= *saturata*)
- ensigera* Martin, 1906: 17, 29. C. of N.America
 (= *charadraea*)
- eremita* Scudder, 1866: 10, 215.
 (syn. *albicincta*)
- exuberata* Bartenev, 1910: 32, 326. N.E.Asia
 (= *coreana*)
- fasciata* Dziedzielewicz, 1902: 91.
 (syn. *flavomaculata*)
- filosa* Hagen, 1861: 136. E.USA
 (= *tenebrosa* Walsh)
- flavomaculata* Van der Linden, 1825: 19. Europe
 (= *fasciata*; = *vicetina*)
- forcipata* Scudder, 1866: 10, 226. Canada - N.USA

- 3.3.1.2.19. *franklini* Selys, 1878: 45, 195.
 (= macrotoma) Canada - N.USA
- fuscoptera* Belyshev, 1974: 8, 31.
 (form of arctica) Russia
- georgiana* Walker, 1925: 26, 98. S.E.USA
- graeseri* Selys, 1887: 31, 58.
 (= borealis; = sibirica; has ssp. aureola) E.Asia
- gratiosa* Bartenev, 1909: 12, 21.
 (syn. arctica)
- hineana* Williamson, 1931: 225, 1. C.USA
- hudsonica* Martin, 1907: 17, 27.
 (syn. sahlbergi)
- hudsonica* Hagen in Selys, 1871: 31, 301. Canada - N.W.USA
- incurvata* Walker, 1918: 50, 367. Canada - N.USA
- infuscata* Ander, 1931: 243.
 (form of arctica)
- japonica* Matsumura, 1911: 4, 8. N.Japan
- kennedyi* Walker, 1918: 50, 371. Canada - N.USA
- lateralis* Needham, 1901: 501.
 (syn. linearis)
- linearis* Hagen, 1861: 137.
 (= lateralis; = procera) USA
- lingyiensis* Zhou, 1979: 4, 111. China
- macrotona* Williamson, 1909: 20, 78.
 (syn. franklini)
- magna* Oguma, 1913: 25, 451.
 (syn. viridiaenea atrovirens)
- margarita* Donnelly, 1962: 64, 235.
- massettensis* Whitehouse, 1941: 26, 538.
 (form of albicincta) Canada
- meridionalis* Nielsen, 1935: 67, 60.
 (form of metallica) Italy
- **metallica* Van der Linden, 1825: 18, (Libellula). Europe
 (has ssp. vera & forms abocanica
 & meridionalis)
- minor* Calvert, 1898: 9, 87. Canada - N.USA
- nasalis* Selys, 1874: 37, c1.
 (syn. semicircularis)
- nepalensis* Asahina, 1982: 25, 15. Nepal
- ornata* Valle, 1927: 56, 25.
 (form of arctica) Finland
- ozarkensis* Bird, 1933: 261, 1. C.USA
- procera* Selys, 1871: 31, 285.
 (syn. linearis)
- provocans* Calvert, 1903: 14, 39. C. & S.E.USA

- 3.3.1.2.19. *relicta* Belyshev, 1971: 4, 5.
 (ssp. of *sahlbergi*) Siberia
- sahlbergi* Trybom, 1889: 15, 7.
 (= *hudsonica* Martin; = *walkeri* Kennedy; = *theeli*;
 has ssp. *relicta*) Holarctic
- saturata* Hagen, 1861: 138.
 (syn. *elongata*)
- semicircularis* Selys, 1871: 31, 295.
 (= *nasalis*) W. of N.America
- septentrionalis* Hagen, 1861: 139.
sibirica Trybom, 1889: 15, 20.
 (syn. *graeseri*) Canada
- subalpina* Selys, 1840: 7, 90.
 (syn. *arctica*)
- tenebrosa* Walsh, 1862: 399.
 (syn. *filosa*)
- tenebrosa* Say, 1839: 8, 19. N.America
- theeli* Trybom, 1889: 15, 8.
 (syn. *sahlbergi*)
- uchidai* Foerster, 1909: 62, 233. Japan
- vera* Bartenev, 1911: 41, 16.
 (ssp. of *metallica*) E.Russia
- vicetina* Disconzzi, 1865: 109.
 (syn. *flavomaculata*)
- viridiaenea* Uhler, 1858: 31.
 (has ssp. *atrovirens* [= *magna*]) Japan
- walkeri* Kennedy, 1917: 42, 229.
 (syn. *sahlbergi*)
- walshii* Scudder, 1866: 10, 217. Canada & N.E.U.S.A
- whitehousei* Walker, 1925: 26, 154. Canada
- williamsoni* Walker, 1907: 39, 69. N.America
- 3.3.1.2.20. *Tetragoneuria* Hagen, 1861
- basiguttata* Selys, 1871: 31, 271.
 (form of *cynosura*)
- calverti* Muttkowsky, 1911: 9, 118.
 (form of *sempiaquea*)
- canis* McLachlan, 1886: 23, 104. N. & E. of N.America
- complanata* Rambur, 1842: 145.
 (form of *cynosura*)
- costalis* Selys, 1871: 31, 273. U.S.A.
- diffinis* Hagen in Selys, 1871: 31, 270.
 (syn. *cynosura*)
- cynosura* Say, 1839: 8, 30.
 (= *diffinis*; = *lateralis*; = *simulans*;
 has forms *basiguttata* & *complanata*) N.America
- indistincta* Morse, 1895: 7, 210.
 (syn. *spinigera*)

- 3.3.1.2.20. *lateralis* Burmeister, 1839: 2, 847.
 (syn. *cynosura*)
- petechialis* Muttkowski, 1911: 9, 101. S.U.S.A
- *sequia Burmeister, 1839: 2, 858, (Libellula).* S.E.U.S.A
 (has form *calverti*)
- sepia* Gloyd, 1934: 274, 2. Florida (USA)
- simulans* Muttkowski, 1911: 9, 95.
 (syn. *cynosura*)
- spinigera* Selys, 1871: 31, 269. N.America
 (= *indistincta*; has form *suffusa*)
- spinosa* Hagen in Selys, 1878: 45, 188. S.E.U.S.A
- stella* Williamson, 1911: 9, 96. S.E.U.S.A
- suffusa* Davis, 1933: 28, 101.
 (form of *spinigera*)
- williamsoni* Muttkowski, 1911: 95, 124. S.U.S.A
- 3.3.1.2.21. *Williamsonia* Davis, 1913
- fletcheri* Williamson, 1923: 55, 96. Canada - N.E.U.S.A
- *lintneri* Hagen in Selys, 1878: 45, 187, (Cordulial) N.E.U.S.A
- 3.3.1.3. Gomphomacromiinae. Medium sized forms. Costal border of trgs straight; less than 3 cross veins in cubital space; sectors of arc diverging from origin; one or more accessory cross veins to bridge; trgs and sub trgs uncrossed.
- 3.3.1.3.1. *Apocordulia* Watson, 1980
 macrops Watson, 1980: 19, 287. S.E.Australia
- 3.3.1.3.2. *Archaeophya* Fraser, 1959
 **adamsi* Fraser, 1959: 12, 355. E.Australia
 magnifica Theischinger & Watson, 1978: 26, 404. Queensland
- 3.3.1.3.3. *Austrocordulia* Tillyard, 1908
 leonardi Theischinger, 1973: 77, 388. E.Australia
 **refracta* Tillyard, 1908: 33, 744. N.E.Australia
 territoria Theischinger & Watson, 1978: 26, 399. N.Australia
- 3.3.1.3.4. *Austrophya* Tillyard, 1908
 mystica Tillyard, 1908: 33, 739. Queensland
- 3.3.1.3.5. *Gomphomacromia* Brauer, 1864
 chilensis Martin, 1921: 25, 23. Chile
 effusa Navas, 1918: 14, 340. Chile
 (form of *paradoxa*)
- etcheverryi* Fraser, 1957: 42, 156. Chile
- fallax* McLachlan, 1881: 141. Ecuador
- fuliginosa* Martin, 1921: 25, 22. Chile
- mexicana* Needham, 1933: 44, 89. Mexico

- 3.3.1.3.5. *nodisticta* Ris, 1928: 17, 169. Argentina
 **paradoxa* Brauer, 1864: 14, 163. S.America
 (has forms *effusa* & *tincta*)
- tincta* Navas, 1918: 14, 340. Chile
 (form of *paradoxa*)
- 3.3.1.3.6. *Hesperocordulia* Tillyard, 1911
 berthoudi Tillyard, 1911: 36, 375. S.W.Australia
- 3.3.1.3.7. *Lathrocordulia* Tillyard, 1911
 metallica Tillyard, 1911: 36, 378. S.W.Australia
- 3.3.1.3.8. *Lauromacromia* Geijskes, 1970
 dubitalis Fraser, 1939: 8, 91, (Gomphomacromia). Guiana
- 3.3.1.3.9. *Micromidia* Fraser, 1959
 atrifrons McLachlan, 1883: 27, 90. N.E.Australia
 convergens Theischinger & Watson, 1978: 26, 399. Queensland
 **rodericki* Fraser, 1959: 12, 352. Queensland
- 3.3.1.3.10. *Neocordulia* Selys, 1882
 **androgynis* Selys, 1871: 31, 310, (Gomphomacromia) Brasil
 batesi Selys, 1871: 31, 312. Brasil
 biancoi Račenis, 1970: 7, 33. Venezuela
 carlochagasi Santos, 1967: 11, 81. Brasil
 longipollex Calvert, 1909: 20, 409. C. & S.America
 luismoojeni Santos, 1967: 11, 113. Brasil
 setifera Hagen in Selys, 1871: 31, 311. Brasil
 volxemi Selys, 1874: 37, 21. Brasil
- 3.3.1.3.11. *Nesocordulia* McLachlan, 1882
 **flavicauda* McLachlan, 1882: 26, 170. Madagascar
 malgassica Fraser, 1956: 1, 42. Madagascar
 mascarenica Fraser, 1948: 17, 5. Madagascar
 rubricauda Martin, 1900: 108. Madagascar
 spinicauda Martin, 1903: 8, 511. Madagascar
 villiersi Legrand, 1984: 6, 93. Madagascar
- 3.3.1.3.12. *Oxygastra* Selys, 1870
 curtisii Dale, 1834: 7, 60, (Cordulia). S.W.Europe
 (= *nitens*)
- nitens* Fonscolombe, 1837: 6, 146.
 (syn. *curtisii*)
- 3.3.1.3.13. *Pseudocordulia* Tillyard, 1908
 **circularis* Tillyard, 1909: 33, 743. Queensland
 elliptica Tillyard, 1913: 38, 230. Queensland
- 3.3.1.3.14. *Syncordulia* Selys, 1882
 (= *Presba* Barnard, 1933)

- 3.3.1.3.14. **gracilis* Burmeister, 1839: 2, 847, (Epophthalmia). S.Africa
 (= *piscator*)
- piscator* Barnard, 1933: 2, 163.
 (syn. *gracilis*)
- venator* Barnard, 1933: 2, 167. S.Africa
- 3.3.1.4. *Idionychinae*. Hind wings broad. Costal borders of trg straight; less than 3 cross veins in cubital space; sectors of arc extensively fused at base; trg usually uncrossed.
- 3.3.1.4.1. *Idionyx* Selys, 1871
 (incl. *Idiophya* Fraser, 1934)
- borneensis* Laidlaw, 1913: 67.
 (syn. *yolanda*)
- burliyarensis* Fraser, 1928: 26, 461. S.India
 (= *fulvia*; has form *corona* [= *nilgiriensis*])
- carinata* Fraser, 1926: 28, 206. S.China
 (= *optata* Ris)
- claudia* Ris, 1912: 79-83. S.China
- corona* Fraser, 1921: 27, 690. S.India
 (form of *burliyarensis*)
- dohrni* Krueger, 1899: 60, 323.
 (syn. *yolanda*)
- fulvia* Fraser, 1924: 26, 516.
 (syn. *burliyarensis*)
- galeata* Fraser, 1924: 26, 517. W.India
- imbricata* Fraser, 1926: 28, 205. Assam
- intricata* Fraser, 1926: 28, 202. Assam
- laidlawi* Fraser, 1936: 38, 701. Malaya
- lieftincki* Zhou, 1984: 13, 165. China
- minima* Fraser, 1931: 33, 453. S.India
- montana* Karsch, 1891: 17, 30. E.Java
- murcia* Lieftinck, 1971: 114, 12. Sumbawa
- nadganiensis* Fraser, 1924: 26, 460. W.India
- nilgiriensis* Fraser, 1922: 7, 65. S.India
 (form of *burliyarensis* [= *corona*])
- optata* Ris, 1912: 1, 82.
 (syn. *carinata*)
- optata* Selys, 1878: 95, 196. Assam
 (= *ornata*)
- orchestra* Lieftinck, 1953: 64, 193. Sumba
- ornata* Fraser, 1921: 27, 691.
 (syn. *optata*, Selys)
- periyashola* Fraser, 1939: 8, 93. S.India
- philippa* Ris, 1912: 80. Philippines

3.3.1.4.1.	<i>rhinoceroides</i> Fraser, 1934: <u>37</u> , 565. <i>saffronata</i> Fraser, 1924: <u>26</u> , 458. <i>salva</i> Needham & Gyger, 1937: <u>63</u> , 57. <i>selysi</i> Fraser, 1926: <u>28</u> , 201. (syn. <i>yolanda</i>) <i>stevensi</i> Fraser, 1924: <u>26</u> , 462. <i>travancorensis</i> Fraser, 1931: <u>33</u> , 455. <i>unguiculata</i> Fraser, 1926: <u>28</u> , 204. * <i>yolanda</i> Selys, 1870: 6. (= <i>borneensis</i> ; = <i>dohrni</i> ; = <i>selysi</i>)	S.India W.India Luzon Assam S.India N.Burma Malaya/E.Indies
3.3.1.4.2.	<i>Macromidia</i> Martin, 1907 (incl. <i>Indomacromia</i> Fraser, 1924) <i>asahinai</i> Lieftinck, 1971: <u>114</u> , 21. <i>atrovirens</i> Lieftinck, 1935: <u>15</u> , 194. <i>donaldi</i> Fraser, 1924: <u>26</u> , 515. <i>erratica</i> Lieftinck, 1948: <u>19</u> , 274. (ssp. of <i>genialis</i>) <i>fulva</i> Laidlaw, 1915: 29. <i>genialis</i> Laidlaw, 1923: <u>1</u> , 232. (has ssp. <i>erratica</i>) <i>hangzhouensis</i> Zhou, 1979: <u>4</u> , 110. <i>ishidai</i> Asahina, 1964: <u>32</u> , 304. <i>kelloggi</i> Asahina, 1978: <u>14</u> , 10. * <i>rapida</i> Martin, 1907: <u>17</u> , 79. <i>samal</i> Needham & Gyger, 1937: <u>63</u> , 56. <i>shanensis</i> Fraser, 1927: <u>29</u> , 67.	Palawan S.Sumatra W.India S.Sumatra N.Borneo Malaya China Ryukyu Is. China Indo-China Mindanao Burma
3.3.1.5.	<u><i>Idomacromiinae</i></u> . Costal border of trg straight; 5-6 cross veins in cubital space; anal loop of about 30 cells with midrib.	
3.3.1.5.1.	<i>Idomacromia</i> Karsch, 1896 <i>lieftincki</i> Legrand, 1984: <u>13</u> , 113. <i>proavita</i> Karsch, 1896: <u>22</u> , 20.	Gabon Cameroons
3.3.1.6.	<u><i>Macromiinae</i></u> . Large forms with close venation. Costal border of trg straight; more than 3 cross veins in cubital space; anal loop subquadrate; broader than long and with no midrib; nodus distal to wing centre. Typical long legs.	
3.3.1.6.1.	<i>Didymops</i> Rambur, 1842 <i>cinnamomea</i> Burmeister, 1839: <u>2</u> , 845. (syn. <i>transversa</i>) <i>floridensis</i> Davis, 1921: <u>16</u> , 110. <i>servillei</i> Rambur, 1842: <u>142</u> . (syn. <i>transversa</i>)	Florida (USA)

- 3.3.1.6.1. **transversa* Say, 1839: 8, 19, (*Libellula*). N.America
 (= *cinnamomea*; = *servillei*)
- 3.3.1.6.2. *Epophthalmia* Burmeister, 1839 N.America
 (incl. *Azuma* Needham, 1904)
- australis Hagen, 1867: 17, 61. Celebes
- bellicosa Lieftinck, 1948: 41A, 19. Burma
 (ssp. of *vittigera*)
- binocellata Fraser, 1924: 26, 451. S.India
 (ssp. of *frontalis*)
- cyanocephala Hagen, 1866: 17, 60. Ceylon
 (ssp. of *vittata*)
- elegans Brauer, 1865: 14, 905. E.Asia
- frontalis Selys, 1871: 43, 530. Malaya
 (has ssp. *binocellata*, [= *malabarensis*])
- malabarensis Fraser, 1935: 37, 328. W.Java
 (syn. *frontalis binocellata*)
- sundana Lieftinck, 1931: 13, 61. India
 (ssp. of *vittata*)
- **vittata* Burmeister, 1839: 2, 845. India
 (has ssp. *cyanocephala* & *sundana*)
- vittigera* Rambur, 1842: 140. E.Indies
 (has ssp. *bellicosa*)
- 3.3.1.6.3. *Macromia* Rambur, 1842
 (incl. *Hylaeschna* Sjoestedt, 1899: *Phyllomacromia*
 Selys, 1878 & *Pseudogomphus* Kirby, 1889;
 = *Ceratopyga* Nunney, 1895)
- aculeata Fraser, 1927: 29, 68. Burma
- aeneothorax Nunney, 1895: 16, 349. W.Africa
- aequatorialis Martin, 1907: 17, 77. W.Africa
- africana Selys, 1871: 31, 554. E.USA
 (syn. *picta*)
- alleghaniensis Williamson, 1909: 37, 376. E.USA
- amicorum Gambles, 1979: 4, 389. Nigeria
- amphigena Selys, 1871: 31, 538. E.Asia
 (has ssp. *fraenata* & *masaco*)
- amymone Lieftinck, 1952: 21, 446. S.India
 (syn. *viridescens*)
- annaimallaiensis Fraser, 1931: 33, 452. S.India
- annulata Hagen, 1861: 113. Mexico - C.USA
 (= *caderita*)
- arachnomima Lieftinck, 1953: 22, 395. S.Borneo
- astarte Lieftinck, 1971: 114, 42. S.E. New Guinea
- atuberculata Fraser, 1922: 7, 67. C.Africa
 (syn. *flavocolorata*)
- aureozona Pinhey, 1966: 73, 296. C.Africa
 (= *insignis*; = *sophia*)

3.3.1.6.3.	<i>australensis</i> Williamson, 1909: <u>37</u> , 381. (syn. <i>georgina</i>)	
	<i>bartenevi</i> Belyshev, 1973: <u>1</u> , 388.	C.Asia
	<i>bellicosa</i> Fraser, 1924: <u>26</u> , 453.	S.India
	<i>berlandi</i> Lieftinck, 1941: <u>8</u> , 94.	Indo-China
	<i>bicornis</i> Foerster, 1906: <u>59</u> , 320.	N.E.Africa
	<i>bicristulata</i> Legrand, 1975: <u>11</u> , 688.	W.Africa
	<i>bifasciata</i> Martin, 1912: <u>42</u> , 96. (= <i>leoni</i>)	W.Africa
	<i>biflava</i> Martin, 1906: 77. (syn. <i>melandra</i>)	
	<i>bispina</i> Fraser, 1954: <u>49</u> , 49.	Uganda
	<i>borneensis</i> Krueger, 1899: 330. (syn. <i>cincta</i>)	
	<i>bredoii</i> Schouteden, 1934: <u>3</u> , 43. (syn. <i>funicularia</i>)	
	<i>caderita</i> Needham, 1950: <u>76</u> , 10. (syn. <i>annulata</i>)	
	<i>calliope</i> Ris, 1916: <u>5</u> , 70.	Indochina
	<i>callisto</i> Laidlaw, 1922: <u>85</u> , 221.	Malaya
	<i>camerunica</i> Pinhey, 1974: <u>25</u> , 191.	Cameroons
	<i>cantonensis</i> Tinkham, 1936: <u>15</u> , 457.	China
	<i>celaeno</i> Lieftinck, 1955: <u>33</u> , 274.	N.E. New Guinea
	<i>chalciope</i> Lieftinck, 1952: <u>21</u> , 456.	Halmahera
	<i>chui</i> Asahina, 1968: <u>36</u> , 94.	Taiwan
	<i>cincta</i> Rambur, 1842: 141. (= <i>borneensis</i>)	S.E. Asia
	* <i>cingulata</i> Rambur, 1842: 137.	India
	<i>clio</i> Ris, 1916: <u>5</u> , 67.	Formosa
	<i>clymene</i> Ris, 1921: <u>18</u> , 381. (syn. <i>onerata</i>)	
	<i>congolica</i> Fraser, 1955: <u>52</u> , 21.	Katanga
	<i>contumax</i> Selys, 1879: <u>16</u> , 103. (syn. <i>melandra</i>)	
	<i>corycia</i> Laidlaw, 1922: <u>85</u> , 220.	N. Borneo
	<i>cupricincta</i> Fraser, 1924: <u>8</u> , 74.	Burma
	<i>cydippe</i> Laidlaw, 1922: <u>85</u> , 220.	N.W.Borneo
	<i>daimoji</i> Okumura, 1949: <u>3</u> , 120. (= <i>tokoensis</i>)	Japan
	<i>dione</i> Lieftinck, 1971: <u>114</u> , 26.	N.E. Sumatra
	<i>ellisoni</i> Fraser, 1924: <u>26</u> , 457.	S. India
	<i>erato</i> Lieftinck, 1950: <u>20</u> , 693.	W. Java
	<i>euphydryas</i> Lieftinck, 1952: <u>21</u> , 450.	Waigeo

3.3.1.6.3.	<i>eurynome</i> Lieftinck, 1942: <u>18</u> , 563.	S.New Guinea
	<i>euterpe</i> Laidlaw, 1915: 26.	N.Borneo
	<i>flavicans</i> Fraser, 1954: <u>49</u> , 45. (syn. <i>picta</i>)	
	<i>flavicincta</i> Selys, 1874: <u>37</u> , 25.	India
	<i>flavicincta</i> Kirby, 1898: <u>2</u> , 241. (syn. <i>picta</i>)	
	<i>flavimitella</i> Pinhey, 1966: <u>45</u> , 30.	Congo
	<i>flavipennis</i> Walsh, 1862: 398. (syn. <i>pacifica</i>)	
	<i>flavocolorata</i> Fraser, 1922: <u>28</u> , 702. (= <i>atuberculata</i> ; = <i>fraenata</i> Laidlaw; = <i>miniata</i> ; = <i>thalia</i>)	India
	<i>flavovittata</i> Fraser, 1935: <u>37</u> , 326.	N.India
	<i>flinti</i> Lieftinck, 1977: <u>11</u> , 157.	Sri Lanka
	<i>fraenata</i> Laidlaw, 1922: <u>85</u> , 221. (syn. <i>flavocolorata</i>)	
	<i>fraenata</i> Martin, 1907: <u>17</u> , 71. (ssp. of <i>amphigena</i>)	N.E.Asia
	<i>fumata</i> Krueger, 1899: 333. (syn. <i>moorei malayana</i>)	
	<i>funicularia</i> Martin, 1907: <u>17</u> , 75. (= <i>bredoii</i>)	Cameroons
	<i>funicularioides</i> Legrand, 1983: <u>5</u> , 152.	Guinea
	<i>gamblesi</i> Lindley, 1980: <u>9</u> , 189.	C.Africa
	<i>georgina</i> Selys, 1878: <u>45</u> , 197. (= <i>australis</i>)	C. & S.USA
	<i>gerstaeckeri</i> Krueger, 1899: <u>60</u> , 335.	Java
	<i>halei</i> Fraser, 1928: <u>76</u> , 137. (syn. <i>nyanzana</i>)	
	<i>hamifera</i> Lieftinck, 1955: <u>33</u> , 253.	China
	<i>hermione</i> Lieftinck, 1952: <u>21</u> , 454.	Misool Is.
	<i>hervei</i> Legrand, 1980: <u>2</u> , 10.	W.Africa
	<i>icterica</i> Lieftinck, 1929: <u>72</u> , 84.	China
	<i>ida</i> Fraser, 1924: <u>26</u> , 449.	S. India
	<i>illinoiensis</i> Walsh, 1862: 397.	N.America
	<i>indica</i> Fraser, 1924: <u>26</u> , 448.	W. India
	<i>insignis</i> Kirby, 1889: 299. (syn. <i>aureozona</i>)	
	<i>irata</i> Fraser, 1924: <u>26</u> , 454.	S.W. India
	<i>irina</i> Lieftinck, 1950: <u>20</u> , 714.	S.Celebes
	<i>jucunda</i> Lieftinck, 1955: <u>33</u> , 270.	W.Java
	<i>junior</i> Pinhey, 1961: 116. (ssp. of <i>kimminsi</i>)	E.Africa

3.3.1.6.3.	kimminsii Fraser, 1954: <u>49</u> , 63. (has ssp. junior)	W.Africa
	kubokaiya Asahina, 1964: <u>14</u> , 109.	Okinawa
	lachesis Lieftinck, 1971: <u>114</u> , 38.	Bismarck Arch.
	leoni Fraser, 1928: <u>76</u> , 138. (syn. bifasciata)	
	lieftincki Fraser, 1954: <u>49</u> , 65.	Fernando Po
	maesi Schouteden, 1917: <u>5</u> , 105.	Africa
	magnifica McLachlan, 1874: <u>37</u> , 22.	W. of N.America
	malayana Campion & Laidlaw, 1928: 133. (ssp. of moorei)	Malaya
	malleifera Lieftinck, 1955: <u>33</u> , 256.	S.E.China
	manchurica Asahina, 1964: <u>14</u> , 116.	Manchuria
	margarita Westfall, 1947: <u>63</u> , 32.	S.E.USA
	martorelli Compte Sart, 1964: <u>62</u> , 13.	W.Africa
	masaco Eda, 1976: <u>19</u> , 25. (ssp. of amphigena)	Japan
	melania Selys, 1871: <u>31</u> , 551. (= biflava; = contumax; = paludis)	Africa
	melpomene Ris, 1913: <u>2</u> , 496.	S.W. New Guinea
	miniata Fraser, 1924: <u>26</u> , 450. (syn. flavocolorata)	
	mnemosyne Lieftinck, 1935: <u>15</u> , 190.	W.Borneo
	monoceros Foerster, 1906: <u>59</u> , 319. (= thetis)	S. & E.Africa
	moorei Selys, 1874: <u>37</u> , 28. (= trituberculata; has ssp. malayana, [= fumata])	Oriental
	negrito Needham & Gyger, 1937: <u>63</u> , 53.	Luzon
	nigeriensis Gambles, 1971: <u>104</u> , 179.	Nigeria
	nyanzana Gruenberg, 1911: <u>28</u> , 104. (= halei; = reginae)	E.Africa
	occidentalis Fraser, 1954: <u>49</u> , 60.	W.Africa
	onerata Martin, 1907: <u>17</u> , 74. (= clymene)	C. & W.Africa
	overlaeti Schouteden, 1934: <u>3</u> , 44.	Congo
	pacifica Hagen, 1861: 134. (= flavipennis)	USA
	pallida Fraser, 1924: <u>26</u> , 456.	N.Bengal
	pallidinervis Foerster, 1906: <u>59</u> , 317.	E.Africa
	palidis Sjoestedt, 1900: <u>25</u> , 40. (syn. melanía)	
	paludosa Pinhey, 1976: <u>5</u> , 565.	Zambia
	paulla Karsch, 1892: <u>37</u> , 15.	W.Africa

3.3.1.6.3.	<i>picta</i> Selys, 1871: <u>31</u> , 552. (= <i>africana</i> ; = <i>flavicans</i> ; = <i>flavicincta</i> Kirby; = <i>tropicalis</i> ; = <i>trochi</i>)	Africa
	<i>pinratani</i> Asahina, 1983: <u>26</u> , 35.	Thailand
	<i>polyhymnia</i> Lieftinck, 1929: <u>72</u> , 97.	Sumatra
	<i>pseudafricana</i> Pinhey, 1961: 109.	Uganda
	<i>pyramidalis</i> Martin, 1906: <u>17</u> , 69.	Indochina
	<i>reginae le Roi</i> , 1915: <u>1</u> , 348. (syn. <i>nyanzana</i>)	
	<i>rickeri</i> Walker, 1937: <u>69</u> , 7.	W.Canada
	<i>royi</i> Legrand, 1982: <u>4</u> , 120.	Senegal
	<i>schoutedeni</i> Fraser, 1954: <u>49</u> , 52.	Congo
	<i>selysi</i> Kirby, 1900: <u>6</u> , 77.	W.Africa
	<i>septima</i> Martin, 1904: <u>3</u> , 211.	Malaysia
	<i>seydeli</i> Fraser, 1954: <u>49</u> , 55.	Congo
	<i>sibirica</i> Djakonov, 1926: <u>20</u> , 228.	Siberia
	<i>sophia</i> Selys, 1871: <u>31</u> , 550. (syn. <i>aureozona</i>)	
	<i>sophrosyne</i> Lieftinck, 1952: <u>21</u> , 442.	Waigeu Is.
	<i>splendens</i> Pictet, 1843: 131.	S.W.Europe
	<i>subtropicalis</i> Fraser, 1954: <u>49</u> , 60.	Congo
	<i>sylvatica</i> Fraser, 1954: <u>49</u> , 56.	E.Africa
	<i>taeniolata</i> Rambur, 1842: 139.	USA
	<i>terpsichore</i> Foerster, 1899: 23.	N.E.New Guinea
	<i>thalia</i> Lieftinck, 1929: <u>72</u> , 103. (syn. <i>flavocolorata</i>)	
	<i>thetis</i> Ris, 1921: <u>18</u> , 379. (syn. <i>monoceros</i>)	
	<i>tillyardi</i> Martin, 1907: <u>17</u> , 72.	N.Australia
	<i>trifasciata</i> Rambur, 1842: 138.	Madagascar
	<i>trituberculata</i> Fraser, 1921: <u>27</u> , 685. (syn. <i>moorei</i>)	
	<i>tropicalis</i> Selys, 1878: <u>45</u> , 200. (syn. <i>picta</i>)	
	<i>trochi</i> Gruenberg, 1911: <u>28</u> , 104. (syn. <i>picta</i>)	
	<i>tokyoensis</i> Asahina, 1949: <u>17</u> , 5. (syn. <i>daimoji</i>)	
	<i>unifasciata</i> Fraser, 1954: <u>49</u> , 67.	Zaire
	<i>urania</i> Ris, 1916: <u>5</u> , 68.	Indo-China
	<i>viridescens</i> Tillyard, 1911: <u>36</u> , 380. New Guinea/N.Australia (= <i>amymone</i>)	
	<i>wabashensis</i> Williamson, 1909: <u>37</u> , 374.	U.S.A.

- 3.3.1.3.6. *westwoodi* Selys, 1874: 37, 27. Malaysia
whitei Selys, 1871: 31, 555. India
zeylanica Fraser, 1927: 29, 69. Ceylon
- 3.3.1.7. *Neophyinae*. Base of hind wing very broad; anal loop present; trg in all wings with costal side angulated.
- 3.3.1.7.1. *Neophya* Selys, 1881
rutherfordi Selys, 1881: 25, 17. W.Africa
- 3.3.1.8. *Synthemistinae*. Medium sized slender forms. Antenodals of hind wing alternately thick and thin; cross veins in basal space; trg of hind wing distal from arc. Male hind wing angulated at base, oreilletts on segment 2. Male tibia keeled. Body usually with metallic areas and yellow markings only. Larva resembles that of Cordulegasters.
- 3.3.1.8.1. *Choristhemis* Selys, 1870
**flavoterminata* Martin, 1901: 14, 229, (Synthemis) N.E.Australia
olivei Tillyard, 1909: 33, 747. N.Australia
- 3.3.1.8.2. *Eusynthemis* Foerster, 1903
(= *Metathemis* Tillyard, 1910)
aurolineata Tillyard, 1913: 37, 575. E.Australia
(ssp. of *guttata*)
**brevistyla* Selys, 1871: 31, 564, (Synthemis). S.E.Australia
(has ssp. *sub juncta*)
deniseae Theischinger, 1977: 6, 105. Queensland
frontalis Lieftinck, 1949: 20, 359. Solomon Is.
guttata Selys, 1871: 31, 563. S.E.Australia
(has ssp. *aurolineata* & *melanosoma*;
has form *pallida*)
melanosoma Tillyard, 1913: 38, 231. Queensland
(ssp. of *guttata*)
nigra Tillyard, 1906: 35, 361. E.Australia
(= *paradoxa*; = *ptilorrhina*; has ssp. *xanthosticta*)
pallida Tillyard, 1910: 35 E.Australia
(form of *guttata*)
paradoxa Foerster, 1908: 27, 28. E.Australia
(syn. *nigra*)
ptilorrhina Foerster, 1908: 27, 26. N.E.Australia
(syn. *nigra*)
regina Selys, 1874: 37, 31. N.E.Australia
sub juncta Tillyard, 1913: 37, 574. E.Australia
(ssp. of *brevistyla*)
virgula Selys, 1874: 37, 33. S.E.Australia
xanthosticta Tillyard, 1913: 38, 230. N.E.Australia
(ssp. of *nigra*)
- 3.3.1.8.3. *Synthemiopsis* Tillyard, 1917

3.3.1.8.3.	<i>gomphomacromioides</i> Tillyard, 1917: <u>42</u> , 464.	Tasmania
3.3.1.8.4.	<i>Synthemis</i> Selys, 1870 (incl. <i>Palaeosynthemis</i> Foerster, 1903)	
	<i>alecto</i> Lieftinck, 1953: <u>9</u> , 84.	Halmahera
	<i>ariadne</i> Lieftinck, 1975: <u>9</u> , 160.	New Caledonia
	<i>campioni</i> Lieftinck, 1971: <u>114</u> , 48.	New Caledonia
	<i>cervula</i> Lieftinck, 1938: <u>2</u> , 119.	N.New Guinea
	<i>clavicularia</i> Tillyard, 1909: <u>33</u> , 748.	Queensland
	<i>cyanitincta</i> Tillyard, 1907: <u>32</u> , 725.	S.W.Australia
	<i>cyrene</i> Lieftinck, 1953: <u>9</u> , 78.	N.E.New Guinea
	* <i>eustalacta</i> Burmeister, 1839: <u>2</u> , 845, (<i>Epophthalmia</i>).	S. & E.Australia
	<i>evelynae</i> Lieftinck, 1953: <u>9</u> , 81.	S.E.New Guinea
	<i>fenella</i> Campion, 1921: <u>8</u> , 61.	New Caledonia
	<i>feronia</i> Lieftinck, 1938: <u>2</u> , 122.	N.New Guinea
	<i>flexicauda</i> Campion, 1921: <u>8</u> , 57.	New Caledonia
	<i>gracilenta</i> Lieftinck, 1935: <u>17</u> , 272.	N.New Guinea
	<i>kimminsi</i> Lieftinck, 1953: <u>9</u> , 75.	N.E.New Guinea
	<i>leachii</i> Selys, 1871: <u>31</u> , 561. (= <i>martini</i>)	S.W.Australia
	<i>macrostigma</i> Selys, 1871: <u>31</u> , 559. (has ssp. <i>occidentalis</i> & <i>orientalis</i>)	Fiji
	<i>martini</i> Tillyard, 1907: <u>32</u> , 726. (syn. <i>leachi</i>)	
	<i>miranda</i> Selys, 1871: <u>31</u> , 558.	New Caledonia
	<i>montaguei</i> Campion, 1921: <u>8</u> , 55.	New Caledonia
	<i>occidentalis</i> Tillyard, 1910: <u>35</u> , 355. (ssp. of <i>macrostigma</i>)	S.W.Australia
	<i>orientalis</i> Tillyard, 1910: <u>35</u> , 355. (ssp. of <i>macrostigma</i>)	S. & E.Australia
	<i>primigenia</i> Foerster, 1903: <u>1</u> , 543.	N.E.New Guinea
	<i>serendipita</i> Winstanley, 1984: in press.	New Caledonia
	<i>spiniger</i> Tillyard, 1913: <u>37</u> , 572.	S.W.Australia
	<i>tasmanica</i> Tillyard, 1910: <u>35</u> , 344.	Tasmania
	<i>wollastoni</i> Campion, 1915: <u>20</u> , 486.	New Guinea

3.3.2. Libellulidae. Small to large, often short and stout. Usually not metallic, males often pruinose. Hind wing of male rounded at base; no oreilletts on segment 2. Tibia not keeled.

Libelluline characters: archaic / recent.

- a) Arc between antenodals 2-3 / between 1-2.
- b) Distal antenodal complete / incomplete.
- c) Fore wing trig costal side angulated / not angulated.

- d) Fore wing trg costal side wider / narrower.
- e) Breadth of hind wing basal area narrower / broader.
- f) Anal loop developed less / more.
- g) Accessory cross veins to bridge / none.
- h) Accessory cross veins in cubital space / none.
- i) Trg in hind wing distal to arc / base at arc.

Section 1

3.3.2.1. Tetrathemistinae. Small forms with narrow wings and short abdomen.

Costal side of trg angulated; anal loop absent; accessory cross veins to bridge and in cubital space; 6-9 antenodals; distal antenodal complete (not in Bironides and Microtrigonia); arc between antenodals 2-3 (1-2 in Tetrathemis); long fusion of sectors of arc; discoidal field usually a single row of cells. Colouring often black and yellow.

3.3.2.1.1. Allorhizucha Karsch, 1890

campioni Ris, 1915: <u>15</u> , 214.	Sierra Leone
*klingi Karsch, 1890: <u>33</u> , 390.	W.Africa
preussi Karsch, 1891: <u>17</u> , 80.	W.Africa

3.3.2.1.2. Archaeophlebia Ris, 1909

*martini Selys, 1896: <u>40</u> , 83, (<u>Neophlebia</u>).	Madagascar
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3.3.2.1.3. Bironides Foerster, 1903

glochidion Lieftinck, 1963: <u>25</u> , 759.	S.E. New Guinea
liesthes Lieftinck, 1937: <u>1</u> , 333.	N. New Guinea
*superstes Foerster, 1903: 523.	E. New Guinea
teuchestes Lieftinck, 1933: <u>17</u> , 30.	N. New Guinea

3.3.2.1.4. Calophlebia Selys, 1896

interposita Ris, 1909: <u>9</u> , 68.	Madagascar
*karschi Selys, 1896: <u>40</u> , 80.	Madagascar

3.3.2.1.5. Celebophlebia Lieftinck, 1936

dactylogastra Lieftinck, 1936: <u>15</u> , 401.	C.W. Celebes
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3.3.2.1.6. Eothemis Ris, 1909

zygoptera Ris, 1909: <u>9</u> , 71.	W.Africa
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3.3.2.1.7. Hylaeothemis Ris, 1909

apicalis Fraser, 1924: <u>26</u> , 430. (ssp. of fruhstorferi)	W.India
*clementia Ris, 1909: <u>1</u> , 64.	Borneo
fruhstorferi Karsch, 1899: <u>20</u> , 321. (has ssp. apicalis)	Ceylon
gardneri Fraser, 1927: <u>29</u> , 66.	India
indica Fraser, 1946: <u>15</u> , 97.	India

- 3.3.2.1.8. *Hypothemis* Karsch, 1899
hageni Karsch, 1889: 15, 261. Vanua Levu (Fiji)
- 3.3.2.1.9. *Malgassophlebia* Fraser, 1956
aequatoris Legrand, 1979: 1, 4. W.Africa
bispina Fraser, 1958: 57, 317. Congo
 (has ssp. *longistipes* & *nigeriae*)
longistipes Pinhey, 1964: 63, 114. Angola
 (ssp. of *bispina*)
**mayanga* Ris, 1909: 9, 69, (*Calophlebia*). Madagascar
nigeriae Pinhey, 1966: 96, 266. E.Nigeria
 (ssp. of *bispina*)
- 3.3.2.1.10. *Micromacromia* Karsch, 1890
afra Ris, 1909: 9, 75. Cameroons
**camerunica* Karsch, 1890: 33, 389. W.Africa
miraculosa Foerster, 1906: 71-72, 31. E.Africa
- 3.3.2.1.11. *Microtrigonia* Foerster, 1903
gomphoides Lieftinck, 1933: 17, 36. N. New Guinea
**marsupialis* Foerster, 1903: 526. E. New Guinea
petaurina Lieftinck, 1949: 261. S.W. New Guinea
- 3.3.2.1.12. *Monardithemis* Longfield, 1947
flava Longfield, 1945: 16, 23. Angola
- 3.3.2.1.13. *Nannophlebia* Selys, 1878
adonira Lieftinck, 1938: 2, 118. N. New Guinea
aerostiba Lieftinck, 1955: 33, 305. Ambon
agalmna Lieftinck, 1963: 25, 755. E. New Guinea
aglaia Lieftinck, 1948: 19, 239. S. Celebes
alexia Lieftinck, 1933: 17, 25. N. New Guinea
amaryllis Lieftinck, 1955: 33, 316. N. New Guinea
amnobia Lieftinck, 1955: 33, 313. W. New Guinea
amphyctilia Lieftinck, 1933: 17, 25. N. New Guinea
ampycteria Lieftinck, 1933: 17, 22. N. New Guinea
anacharis Lieftinck, 1955: 33, 309. N. Moluccas
anatya Lieftinck, 1933: 17, 18. N. New Guinea
antiacantha Lieftinck, 1963: 25, 752. N.E. New Guinea
arethusa Lieftinck, 1948: 19, 237. S. Moluccas
axiagasta Lieftinck, 1933: 17, 16. N. New Guinea
biroi Foerster, 1900: 23, 83. New Guinea
braueri Foerster, 1900: 23, 85. N.E. New Guinea
buruensis Lieftinck, 1926: 7, 284. Buru
eludens Tillyard, 1908: 33, 645 N. & N.E. Australia

- 3.3.2.1.13. *imitans* Ris, 1900: 189.
 (has ssp. *infans*) Bismarck Arch.
- infans* Lieftinck, 1963: 25, 757.
 (ssp. of *imitans*) New Ireland
- injibandi* Watson, 1969: 17, 100. N. & N.W.Australia
- **lorquinii* Selys, 1869: 19, (*Neophlebia*). N.Moluccas
- risi* Tillyard, 1913: 37, 712. N.E.Australia
- 3.3.2.1.14. *Neodythemis* Karsch, 1889
 (= *Oreoxenia* Foerster, 1899;
 = *Pseudophlebia* Martin, 1902)
- africana* Fraser, 1954: 50, 257. Congo
- arnoulti* Fraser, 1955: 7, 40. Madagascar
- fitzgeraldi* Pinhey, 1961: 14, 64. N.Rhodesia
- gorillae* Pinhey, 1961: 96, 267. Cameroons
- **hildebrandti* Karsch, 1889: 15, 252.
 (= *mimica*; = *minima*; = *ouvirandrae*) Madagascar
- mimica* Martin, 1908: 43, 652.
 (syn. *hildebrandti*)
- minima* Needham, 1903: 26, 1.
 (syn. *hildebrandti*)
- ouvirandrae* Foerster, 1899: 25, 190.
 (syn. *hildebrandti*)
- pauliani* Fraser, 1952: 1, 140. Madagascar
- scalarum* Pinhey, 1964: 26A, 1149. Sierra Leone
- trinervulata* Martin, 1902: 8, 510. Madagascar
- 3.3.2.1.15. *Notiothemis* Ris, 1919
- auricolor* Fraser, 1944: 13, 40.
 (ssp. of *jonesi*) Uganda
- **jonesi* Ris, 1919: 16, 1054.
 (has ssp. *auricolor*) E.Africa
- robertsi* Fraser, 1944: 13, 42. Uganda
- 3.3.2.1.16. *Pacificothemis* Asahina, 1940
- esakii* Asahina, 1940: 3, 12. Ponape (Caroline Is.)
- 3.3.2.1.17. *Palaeothemis* Fraser, 1923
- tillyardi* Fraser, 1923: 8, 33. Burma
- 3.3.2.1.18. *Risiophlebia* Cowley, 1934
 (= *Oda* Ris)
- **dohrni* Krueger, 1892: 63, 186, (*Nannophlebia*). Malaysia
- risi* Campion, 1915: 20, 489. New Guinea
- 3.3.2.1.19. *Sleuthemis* Fraser, 1951
- dipiacoides* Fraser, 1951: 18, 97.
 (= *leonensis*) W.Africa
- leonensis* Aguesse, 1968: 30, 525.
 (syn. *dipiacoides*)

3.3.2.1.20. *Tapeinothemis* Lieftinck, 1950boharti Lieftinck, 1950: 20, 640. Little Florida (Solomon Is.)3.3.2.1.21. *Tetrathemis* Brauer, 1968(incl. *Neophlebia* Selys, 1869)aurea Fraser, 1924: 8, 69.
(syn. *platyptera*)bifida Fraser, 1941: 10, 138.

Uganda

camerunensis Sjoestedt, 1899: 25, 36.

Cameroons

carpenteri Fraser, 1941: 10, 140.
(syn. *polleni*)cladophila Tillyard, 1908: 31, 487.
(ssp. of *irregularis*)

Papua-Queensland

corduliformis Longfield, 1936: 85, 484.

Uganda

denticauda Fraser, 1954: 50, 255.

Uganda

dives Ris, 1913: 9, 505.
(ssp. of *irregularis*)

S. New Guinea

flava Krueger, 1902: 63, 190.
(syn. *platyptera*)flavescens Kirby, 1889: 12, 343.

Malaysia

flavescens Tillyard, 1906: 31, 487.
(syn. *irregularis* *cladophila*)fraseri Legrand, 1977: 6, 246.

W.Africa

godiardi Lacroix, 1921: 61, 378.

W.Africa

hyalina Kirby, 1889: 12, 342.
(ssp. of *irregularis*)

Malaysia

*irregularis Brauer, 1868: 18, 183.
(= *sumatrana*; = *tristrigata*; has ssp.
cladophila; *dives*; *hyalina* & *papuensis*)

S.E.Asia

leptoptera Selys, 1869: 19.

Moluccas

longfieldae Legrand, 1977: 6, 248.

W.Africa

papuensis Lieftinck, 1942: 18, 451.
(ssp. of *irregularis*)

N. New Guinea

platyptera Selys, 1878: 316.
(= *aurea*; = *flava*; = *pulchra*)

S.E.Asia

polleni Selys, 1869: 18.
(= *carpenteri*)

Madagascar

pulchra Laidlaw, 1902: 1, 71.
(syn. *platyptera*)ruwenzoriensis Fraser, 1941: 10, 141.

Uganda

suclii Pinhey, 1962: 25, 44.

Cameroons

sumatrana Krueger, 1902: 63, 191.
(syn. *irregularis*)tristrigata Kirby, 1889: 12, 343.
(syn. *irregularis*)

- 3.3.2.1.21. *victoriae* Pinhey, 1963: 32, 3. Victoria Falls
yerburyi Kirby, 1893: 24, 556. Ceylon

Section 2

3.3.2.2. Brachydiplacinae. Small to medium sized species. "Primitive" venational characters largely retained. Arc between antenodals 1-2; distal antenodal variable; anal loop present; trg in hind wing distal to arc.

- 3.3.2.2.1. *Anatya* Kirby, 1889

anomala Kirby, 1889: 12, 294.
 (syn. *guttata*)

difficilis Selys, 1879: 14, 301.
 (syn. *guttata*)

**guttata* Erichson, 1848: 3, 584, (*Libellula*). S.America
 (= *anomala*; = *difficilis*)

januaria Ris, 1911: 12, 423. Brasil

normalis Calvert, 1899: 1, 400. C. & S.America
 (= *theresiae*)

theresiae Selys, 1900: 45, 264.
 (syn. *normalis*)

- 3.3.2.2.2. *Anectothemis* Fraser, 1954:

apicalis Fraser, 1954: 50, 267. Congo

- 3.3.2.2.3. *Argyrothemis* Ris, 1911

argentea Ris, 1911: 12, 389. S.America

- 3.3.2.2.4. *Brachydiplax* Brauer, 1868
 (= *Microthemis* Brauer, 1868)

australis Kirby, 1894: 14, 18. N.W.Australia
 (ssp. of *denticauda*)

chalybea Brauer 1868: 18, 173. E.Asia-Indies
 (= *maria*; has ssp. *flavovittata*;
 [= *okinavensis*] & *simalura*)

denticauda Brauer, 1867: 17, 289. E.Asia to Australia
 (= *finschi*; has ssp. *australis*)

duivenbodei Brauer, 1866: 16, 569. E.Asia to Queensland
 (has form *philippensis*)

farinosa Krueger, 1902: 63, 135. E.Asia/E.Indies
 (= *pruinosa*)

finschi Karsch, 1889: 16, 250.
 (syn. *denticauda*)

flavovittata Ris, 1911: 55, 253. China
 (ssp. of *chalybea*)

gestroi Selys, 1891: 30, 451.
 (syn. *sobrina*)

indica Kirby, 1889: 12, 329.
 (syn. *sobrina*)

malcolmi Fraser, 1922: 4, 231. Siam

- 3.3.2.2.4. *maria Selys*, 1878: 294.
 (syn. *chalybea*)
- okinavensis Oguma*, 1922: 100.
 (syn. *chalybea flavovittata*)
- philippensis Selys*, 1882: 11
 (form of *duivenbodei*)
- pruinosa Laidlaw*, 1902: 1, 67.
 (syn. *farinosa*)
- simalura Ris*, 1915: 58, 17. Simalur
 (ssp. of *chalybia*)
- **sobrina Rambur*, 1842: 114, (*Libellula*). India
 (= *gestroi*; = *indica*)
- sollaartii Lieftinck*, 1953: 22, 262. Sumatra
- yunnanensis Fraser*, 1924: 19, 450. Yunnan
- 3.3.2.2.5. *Brachygonia Kirby*, 1889
 (= *Microdiplax Selys*, 1889)
- delicatula Selys*, 1889: 27, 459.
 (syn. *oculata*)
- **oculata Brauer*, 1878: 77, (*Tetrathemis*). Malaysia
 (= *delicatula*)
- ophelia Ris*, 1910: 11, 354. Borneo
- puella Lieftinck*, 1937: 16, 105. Malaysia
- 3.3.2.2.6. *Chalcostephia Kirby*, 1889
 (= *Corduliops Karsch*, 1889)
- coronata Selys*, 1869: 25, 17.
 (ssp. of *flavifrons* [= *spinifera*])
- **flavifrons Kirby*, 1889: 12, 337. Africa
 (= *metalifrons*; = *metallica*;
 has ssp. *coronata* [= *spinifera*])
- metalifrons Karsch*, 1889: 33, 374.
 (syn. *flavifrons*)
- metallica Kirby*, 1890: 181.
 (syn. *flavifrons*)
- spinifera Pinhey*, 1962: 59, 247.
 (syn. *flavifrons coronata*)
- 3.3.2.2.7. *Chalybeothemis Lieftinck*, 1933
 fluviatilis Lieftinck, 1933: 4, 132. Malaysia
- 3.3.2.2.8. *Congothemis Fraser*, 1953
 longistyla Fraser, 1953: 48, 245. Congo
- 3.3.2.2.9. *Edonis Needham*, 1905
 helena Needham, 1905: 18, 114. S.America
- 3.3.2.2.10. *Eleuthemis Ris*, 1910
 **buettkoferi Ris*, 1910: 11, 384. W.Africa
 (has ssp. *monardi* & *quadrigutta*)
- monardi Schmidt*, 1951: 20, 186. W.Africa
 (ssp. of *buettkoferi*)

- 3.3.2.2.10. *quadrigutta* Pinhey, 1974: 7, 5.
 (ssp. of *buettkoferi*) Rhodesia
- 3.3.2.2.11. *Elga* Ris, 1911
 **leptostyla* Ris, 1911: 12, 398. C. & S.America
santosi Machado, 1954: 14, 303. Brasil
- 3.3.2.2.12. *Fylgia* Kirby, 1899
amazonica Kirby, 1889: 12, 312. Brasil
 (= *sebiaurea*)
sebiaurea Karsch, 1889: 15, 258.
 (syn. *amazonica*)
- 3.3.2.2.13. *Hemistigma* Kirby, 1889
affinis Rambur, 1842: 94. Madagascar
 (= *decorata*)
**albipuncta* Rambur, 1842: 93, (Libellula). Africa
 (= *diffinis*; = *neurothemooides*;
 = *unilineatus*)
decorata Lacroix, 1920: 298
 (syn. *affinis*)
diffinis Selys, 1869: 17
 (syn. *albipuncta*)
neurothemooides Fraser, 1954: 50, 257.
 (syn. *albipuncta*)
unilineatus Martin, 1908: 43, 656.
 (syn. *albipuncta*)
- 3.3.2.2.14. *Micrathyria* Kirby, 1889
aequalis Hagen, 1861: 167. C. & S.America
 (= *septima*)
almeidai Santos, 1945: 48, 1. Brasil
artemis Ris, 1911: 12, 437. Brasil
athenais Calvert, 1909: 6, 230.
 (syn. *ungulata*)
atra Martin, 1897: 66, 590. C. & S.America
borgmeieri Santos, 1947: 7, 215. Brasil
cambridgei Kirby, 1897: 6, 608. Brasil
carlota Needham, 1942: 1, 59.
 (syn. *ocellata dentiens*)
catenata Calvert, 1909: 6, 230. C. & S.America
coropinae Geijskes, 1962: 17, 78. Surinam
debilis Hagen, 1861: 168. C. America - Antilles
dentiens Calvert, 1909: 6, 230.
 (ssp. of *ocellata*)
dicrota Hagen, 1861: 116.
 (syn. *didyma*)
dictynna Ris, 1919: 16, 1146. C. & S.America

3.3.2.2.14. dido Ris, 1911: <u>12</u> , 432.	Brasil
*didyma Selys, 1857: 453, (Libellula). (= dicrota; = dythemoides; = phyne; = poeyi; = pruinosa)	C. & S.America
dissocians Calvert, 1906: 222.	C.America - Antilles
duplicata Navas, 1922: <u>17</u> , 1.	Peru
dythemoides Calvert, 1909: <u>6</u> , 229. (syn. didyma)	
eximia Kirby, 1897: <u>6</u> , 609.	S.America
hageni Kirby, 1890: 41.	C.America to S.USA
hesperis Ris, 1911: <u>12</u> , 447.	S.America
hippolyte Ris, 1911: <u>12</u> , 441.	Guiana
hypodidyma Calvert, 1906: 224. (=protoe)	Brasil
iheringi Santos, 1946: <u>1</u> , 15.	Brasil
kleerekoperi Calvert, 1946: <u>69</u> , 2.	Brasil
laevigata Calvert, 1909: <u>6</u> , 230.	C. & S.America
longifasciata Calvert, 1909: <u>6</u> , 230.	S.America
macrocercis Calvert, 1909: <u>6</u> , 230. (syn. spuria)	
mengeri Ris, 1919: <u>16</u> , 1149.	C. & S.America
ocellata Martin, 1897: 589. (has ssp. dentiens [= carlota]; & quicha)	C. & S.America
paruensis Geijskes, 1962: <u>17</u> , 74.	Surinam
phyne Rambur, 1842: 121. (syn. didyma)	
pirassunungae Santos, 1953: <u>119A</u> , 4.	Brasil
poeysi Scudder, 1866: <u>10</u> , 194. (syn. didyma)	
protoe Foerster, 1907: <u>24</u> , 153. (syn. hypodidyma)	
pruinosa Kirby, 1894: <u>14</u> , 267. (syn. didyma)	
quicha Calvert, 1909: <u>6</u> , 237. (ssp. of ocellata)	
romani Sjoestedt, 1918: <u>11</u> , 42.	S.America
schumannii Calvert, 1906: <u>225</u>	C.America
septima Selys, 1900: <u>45</u> , 265. (syn. aequalis)	
spinifera Calvert, 1909: <u>6</u> , 230	S.America
spuria Selys, 1900: <u>45</u> , 264. (= macrocercis)	S.America
stawiarskii Santos, 1953: <u>119A</u> , 7.	Brasil

- 3.3.2.2.14. *surinamensis* Geijskes, 1962: 17, 71. Surinam
tibialis Kirby, 1897: 19, 610. C. & S.America
ungulata Foerster, 1907: 24, 153. Brasil
 (= *athenais*)
- 3.3.2.2.15. *Nannophya* Rambur, 1842
 (= *Fylla* Kirby, 1889
 = *Nannodythemis* Brauer, 1868)
australis Brauer, 1865: 15, 502. E.Australia
dalei Tillyard, 1908: 33, 449. S.E.Australia
 (has ssp. *occidentalis*)
exigua Hagen, 1887: 28, 91.
 (syn. *pygmaea*)
katrainensis Singh, 1955: 4, 744. Himalayas
occidentalis Tillyard, 1908: 33, 450. S.W.Australia
 (ssp. of *dalei*)
**pygmaea* Rambur, 1842: 27. E.Asia
 (= *exigua*; = *yutsehongi*)
yutsehongi Navas, 1935: 2, 86.
 (syn. *pygmaea*)
- 3.3.2.2.16. *Nannophyopsis* Lieftinck, 1935
**chalcosoma* Lieftinck, 1935: 15, 185. Malaysia
clara Needham, 1930: 11, 120. China
- 3.3.2.2.17. *Nannothemis* Brauer, 1868
 (= *Aino* Kirby, 1890)
**bella* Uhler, 1857: 87, (*Nannophya*). N.America
 (= *puella*; = *pygmaea*)
puella Kirby, 1890: 5, 113.
 (syn. *bella*)
pygmaea Kirby, 1889: 12, 313.
 (syn. *bella*)
- 3.3.2.2.18. *Nephepeltia* Kirby, 1889
 (= *Neothemis* Karsch, 1889)
aequisetis Calvert, 1909: 6, 244. S.America
berlai Santos, 1950: 26. Brasil
chalconota Ris, 1916: 16, 1131. C.America
flavifrons Karsch, 1889: 15, 256.
leonardina Racenis, 1953: 1, 136.
**phryne* Perty, 1834: 125, (*Libellula*). C. & S.America
 (has ssp. *tupiensis*)
tupiensis Santos, 1950: 34. Brasil
 (ssp. of *phryne*)
- 3.3.2.2.19. *Oligoclada* Karsch, 1890
 (= *Podothemis* Ris, 1911)
abbreviata Rambur, 1842: 119. Guiana
amphinome Ris, 1919: 16, 1133. Brasil

- 3.3.2.2.19. *borrori* Santos, 1945: 47, 1. Brasil
calverti Santos, 1951: 62, 135. Brasil
crocogaster Borror, 1931: 22, 22. Brasil
haywardi Fraser, 1947: 4, 453. Argentina
heliophila Borror, 1931: 22, 32. C. & S.America
laetitia Ris, 1911: 12, 404. Brasil
monosticha Borror, 1931: 22, 20. Peru
nemesis Ris, 1911: 12, 407. Brasil
**pachystigma* Karsch, 1890: 33, 382. S.America
raineyi Ris, 1916: 16, 1134. Guyana
rhea Ris, 1911: 12, 402. Brasil
risi Geijskes, 1984: 58, 175. Surinam
stenoptera Borror, 1931: 22, 22. Brasil
sylvia Kirby, 1889: 12, 343. S.America
umbricola Borror, 1931: 22, 38. C. & S.America
walkeri Geijskes, 1931: 8, 213. Trinidad
xanthopleura Borror, 1931: 22, 27. Brasil
- 3.3.2.2.20. *Porpacithemis* Fraser, 1954
(= *Lokithemis* Pinhey, 1956)
**dubia* Fraser, 1954: 50, 261. W.Africa
leakyi Pinhey, 1956: 4, 34. Rhodesia
trithemoides Fraser, 1958: 58, 40. Congo
- 3.3.2.2.21. *Porpax* Karsch
**asperipes* Karsch, 1896: 22, 18. Cameroons
bipunctatus Pinhey, 1966: 45, 49. Congo
garambensis Pinhey, 1966: 45, 53. Congo
risi Pinhey, 1958: 22B, 115. S.C.Africa
- 3.3.2.2.22. *Raphismia* Kirby, 1889
**bispina* Hagen, 1867: 28, 91, (Diplax). S.E.Asia to Australia
(= *thoracantha*)
thoracantha Brauer, 1867: 17, 289.
(syn. *bispina*)
inermis Ris, 1900: 11, 370. Malaysia
- 3.3.2.2.23. *Thermochoria* Kirby, 1889
(= *Passeria* Martin, 1915)
**equivocata* Kirby, 1889: 12, 339.
(has ssp. *picta*; has form *rieli*) W.Africa
jeannelli Martin, 1915: 2, 30. E.Africa
picta Sjöestedt, 1899: 25, 21.
(ssp. of *equivocata*) W.Africa
rieli Navas, 1914: 10, 3.
(form of *equivocata*) Congo

- 3.3.2.2.24. *Tyriobapta* Kirby, 1889
 (= *Monocoloptera* Karach, 1900)
- kuekenthali Karsch, 1900: 25, 229. Malaysia
- laidlawi Ris, 1916: 16, 1121. Borneo
- *torrida Kirby, 1889: 12, 338. S.E.Asia
- 3.3.2.2.25. *Uracis* Rambur, 1842
 (= *Pronomaja* Foerster, 1909)
- fastigiata Burmeister, 1839: 2, 850. C. & S.America
 (= machandina; = pura)
- *imbuta Burmeister, 1839: 2, 850, (*Libellula*). C. & S.America
 (= quadra)
- infumata Rambur, 1842: 74. S.America
 (= ovata)
- machandina Foerster, 1910: 29, 52.
 (syn. fastigiata)
- mimetica Foerster, 1909: 62, 226.
 (syn. ovipositorix)
- ovata Calvert, 1909: 6, 227.
 (syn. infumata)
- ovipositorix Calvert, 1909: 6, 227. S.America
 (= mimetica)
- pura Foerster, 1909: 62, 227.
 (syn. fastigiata)
- quadra Rambur, 1842: 31.
 (syn. imbuta)
- reducta Fraser, 1946: 97, 468. Peru
- siemensi Kirby, 1897: 19, 605. Amazonia
- turrialba Ris, 1919: 16, 1137. Costa Rica
- 3.3.2.3. *Leucorrhiniinae*. Mostly medium to small forms with dark patch at base of wing. Open venation. Sectors of arc separate at origin; costal side of trig relatively wide; accessory veins at bridge and in cubital space; base of trig in hind wing at level of arc.
- 3.3.2.3.1. *Austrothemis* Ris, 1912
- nigrescens Martin, 1901: 19, 222, (*Diplax*). S. of Australia
- 3.3.2.3.2. *Brachymesia* Kirby, 1889
 (incl. *Cannacria* Kirby, 1889)
- australis Kirby, 1889: 12, 231.
 (syn. furcata)
- batesi Kirby, 1889: 12, 300.
 (syn. herbida)
- fumipennis Currie, 1901: 3, 387.
 (syn. herbida)
- *furcata Hagen, 1861: 169, (*Erythemis*). S.America to S.USA
 (= australis; = smithi)
- gravidia Calvert, 1890: 17, 35. S.USA

3.3.2.3.2.	herbida Gundlach, 1889: <u>2</u> , 261. (= batesi; = fumipennis)	S.America to S.USA
	smithi Kirby, 1894: <u>14</u> , 266. (syn. furcata)	
3.3.2.3.3.	Celithemis Hagen, 1861	
	amanda Hagen, 1861: 183. (= pulchella)	S.E.USA
	bertha Williamson, 1922: <u>108</u> , 8. (has form leonora)	S.E.USA
	camilla Rambur, 1842: 46. (syn. eponina)	
	elisa Hagen, 1861: 182.	N.America
	*eponina Drury, 1773: <u>2</u> , 47, (Libellula). (= camilla; = lucilla)	N.America
	fasciata Kirby, 1889: <u>12</u> , 326.	C.S. & S.E.USA
	leonora Westfall, 1952: <u>35</u> , 112. (form of bertha)	S.E.USA
	lucilla Rambur, 1842: 46. (syn. eponina)	
	martha Williamson, 1922: <u>108</u> , 5.	N.E. of N.America
	monomelaena Williamson, 1910: <u>10</u> , 155. (form of fasciata ?)	C. & N. of N.America
	ornata Rambur, 1842: 96.	E. & S.E.USA
	pulchella Burmeister, 1839: <u>2</u> , 849. (syn. amanda)	
	verna Pritchard, 1935: <u>319</u> , 6.	S.E.USA
3.3.2.3.4.	Leucorrhinia Brittinger, 1850 (= Coenotia Buch., 1878)	
	*albifrons Burmeister, 1839: <u>2</u> , 851, (Libellula). (has form aurata)	Europe
	aurata Prueffer, 1923: <u>1</u> , 3. (form of albifrons)	
	aurea Prueffer, 1923: <u>1</u> , 10. (form of rubicunda)	
	borealis Hagen, 1890: <u>17</u> , 231.	Canada - N.USA
	caudalis Charpentier, 1840: 89.	Europe
	circassica Bartenev, 1929: <u>85</u> , 54.	Caucasus
	dubia Van der Linden, 1825: 16. (= gonypenis; has ssp. orientalis)	Eurasia
	frigida Hagen, 1890: <u>17</u> , 231.	N.America
	glacialis Hagen, 1890: <u>17</u> , 234.	N.America
	gonypenis Buchecker, 1878: 10. (syn. dubia)	
	hageni Calvert, 1890: <u>17</u> , 36. (syn. hudsonica)	

3.3.2.3.4.	<i>hudsonica</i> Selys, 1850: 53. (= <i>hageni</i>)	N.America
	<i>ijimai</i> Asahina, 1961: 1, 57. (ssp. of <i>intermedia</i>)	Japan
	<i>intacta</i> Hagen, 1861: 179.	N.America
	<i>intermedia</i> Bartenev, 1912: 15, 13. (= <i>orientalis</i> Selys; has ssp. <i>ijimai</i>)	Asia
	<i>orientalis</i> Belyshev, 1956: 3, 182. (ssp. of <i>dubia</i>)	Siberia
	<i>orientalis</i> Selys, 1887: 31, 54. (syn. <i>intermedia</i>)	
	<i>patricia</i> Walker, 1940: 72, 12.	Canada
	<i>pectoralis</i> Charpentier, 1825: 46.	Europe
	<i>proxima</i> Calvert, 1890: 17, 38.	Canada - N.USA
	<i>rubicunda</i> Linnaeus, 1758: 543. (has form <i>aurea</i>)	Eurasia
	<i>ussuriensis</i> Bartenev, 1914: 41, 13.	Russia

3.3.2.3.5.	<i>Planiplax</i> Muttkowsky, 1910 (= <i>Platyplax</i> Karsch, 1891)	
	<i>arachne</i> Ris, 1912: 14, 732.	S.America
	* <i>erythropyga</i> Karsch, 1891: 17, 270, (<i>Platyplax</i>). <i>machadoi</i> Santos, 1949: 9, 429.	S.America
	<i>phoenicura</i> Ris, 1912: 14, 731.	C. & S.America
	<i>sanguiniventris</i> Calvert, 1907: 327.	C.America

3.3.2.4. Libellulinae. Mostly medium to large forms, Arc recessed towards base of wing; sectors of arc briefly stalked; distal antenodal sometimes lost in subcostal space; trg in fore wing with short costal side; anal loop present; discoidal field with 2 or more rows of cells. Males often red and/or pruinose blue.

3.3.2.4.1.	<i>Aethiothemis</i> Martin, 1908 (= <i>Cirrothemis</i> Fisher, 1939; = <i>Nubiothemis</i> Fraser, 1954)	
	<i>basilewskyi</i> Fraser, 1954: 50, 262.	Congo
	<i>bella</i> Fisher, 1939: 10, 4. (syn. <i>bequaerti</i>)	
	<i>bequaerti</i> Ris, 1919: 16, 1127. (= <i>bella</i>)	Katanga
	<i>carpenteri</i> Fraser, 1944: 13, 85.	Uganda
	<i>diamangae</i> Longfield, 1959: 45, 35.	Angola
	<i>discrepans</i> Lieftinck, 1969: 14, 26.	Congo
	<i>mediofasciata</i> Ris, 1931: 38, 106.	
	<i>paludinialis</i> Fraser, 1954: 50, 263. (syn. <i>Orthetrum hintzi</i>)	Angola

- 3.3.2.4.1. *palustris* Martin, 1912: 42, 95. Sikasso
 **solitaria* Martin, 1908: 43, 663. Congo
watuliki Pinhey, 1962: 25, 46. Congo
- 3.3.2.4.2. *Agrionoptera* Brauer, 1864
- allogenes* Tillyard, 1908: 33, 641. N. & E. Australia
 (ssp. of *insignis*)
- bartola* Needham & Gyger, 1937: 63, 71. Philippines
- biserialis* Selys, 1879: 14, 304. Queensland
 (ssp. of *longitudinalis*)
- cardinalis* Lieftinck, 1962: 5, 74. Caroline Is.
- chalcochiton* Ris, 1915: 16, 1068. Simalur & Mentawai Is.
 (ssp. of *insignis*)
- cynthiae* Lieftinck, 1942: 18, 472. Tanimber Is.
- dissoluta* Lieftinck, 1963: 25, 771. Bismarck Arch.
 (ssp. of *longitudinalis*)
- dorothea* Fraser, 1927: 29, 65. India
 (ssp. of *insignis*)
- guamensis* Lieftinck, 1962: 5, 73. Mariana Is.
- **insignis* Rambur, 1842: 123, (*Libellula*). S.E. Asia
 (= *variabilis*; has ssp. *allogenes*;
 chalcochiton; *dorothea*; *insularis*;
 lifuana; *nereis*; *nicobarica*; *papuensis*;
 quatuornotata; *salomonis*)
- insularis* Kirby, 1889: 12, 336. Solomon Is.
 (ssp. of *insignis*)
- karschii* Foerster, 1898: 21, 282.
 (syn. *longitudinalis biserialis*)
- lifuana* Kimmins, 1953: 6, 243. New Hebrides
 (ssp. of *insignis*)
- longitudinalis* Selys, 1878: 312. S.E. Asia to Queensland
 (has ssp. *biserialis* [= *karschii*;
 = *regalis*]; & ssp. *dissoluta*)
- nereis* Lieftinck, 1948: 19, 292. Engano
 (ssp. of *insignis*)
- nicobarica* Brauer, 1865: 15, 978. Nicobar
 (ssp. of *insignis*)
- papuensis* Selys, 1878: 294. New Guinea
 (ssp. of *insignis* [= *bonguensis*])
- pusilla* Lieftinck, 1962: 5, 76. Caroline Is.
 (ssp. of *sanguinolenta*)
- quatuornotata* Brauer, 1867: 17, 289. Celebes
 (ssp. of *insignis*)
- regalis* Tillyard, 1908: 33, 643.
 (syn. *longitudinalis biserialis*)
- salomonis* Foerster, 1898: 21, 284.
 (syn. *insignis*)
- sanguinolenta* Lieftinck, 1962: 5, 74. E. Caroline Is.
 (has ssp. *pusilla*)

- 3.3.2.4.2. *sexlineata* Selys, 1879: 14, 304. Malaysia
similis Selys 1879: 294. Moluccas
yapensis Lieftinck, 1962: 5, 72. W.Caroline Is.
variabilis Krueger, 1902: 63, 172.
(syn. *insignis*)
- 3.3.2.4.3. *Amphithemis* Selys, 1891
**curvistyla* Selys, 1891: 30, 455. India-China
kerri Fraser, 1933: 9, 130. Laos
nigricolor Fraser, 1922: 28, 700.
(syn. *vacillans*)
vacillans Selys, 1891: 30, 457. India
(= *nigricolor*)
- 3.3.2.4.-. *Belonia* Kirby, 1899
(sgen. of *Libellula*)
- 3.3.2.4.4. *Boninthemis* Asahina, 1952
(= *Neothemis* Oguma, 1922)
insularis Oguma, 1913: 53, (*Neothemis*) Bonin Is.
- 3.3.2.4.5. *Cannaphila* Kirby, 1889
angustipennis Rambur, 1842: 63.
(syn. *insularis*)
funerea Carpenter, 1897: 8, 434. S.America to S.USA
(ssp. of *insularis*)
**insularis* Kirby, 1889: 12, 341. Antilles
(= *angustipennis*; has ssp. *funerea*)
merida Selys, 1868: 11, 67.
(syn. *vibex*)
vibex Hagen, 1861: 159. C. & S.America
(= *merida*)
- 3.3.2.4.6. *Cratilla* Kirby, 1900
assidua Lieftinck, 1953: 64, 202. Java to Philippines
(ssp. of *lineata*)
calverti Foerster, 1903: 537. India
(ssp. of *lineata*)
lineata Brauer, 1878: 77, 9. E.Asia
(has ssp. *assidua* & *calverti*)
**metallica* Brauer, 1878: 77, 7, (*Orthemis*). E.Asia
- 3.3.2.4.7. *Dasythemis* Karsch, 1889
(= *Malamarptia* Karsch, 1890;
= *Melanarptis* Kirby, 1890)
clara Ris, 1908: 528. S.America
(ssp. of *minckii*)
esmeralda Ris, 1910: 11, 302. Ecuador
essequiba Ris, 1919: 16, 1108. Guianas
liriope Hagen, 1861: 317.
(syn. *venosa*)

3.3.2.4.7.	macrostigma Foerster, 1907: <u>24</u> , 167. (syn. venosa)	
	mincki Karsch, 1890: <u>33</u> , 382. (has ssp. clara)	S.America
	*venosa Burmeister, 1839: <u>2</u> , 848. (= liriope; = macrostigma)	S.America
3.3.2.4.8.	Diplacina Brauer, 1868	
	amoena Lieftinck, 1953: <u>22</u> , 180. (ssp. of phoebe)	Halmahera
	anthaxia Lieftinck, 1933: <u>17</u> , 49.	N.New Guinea
	antigone Lieftinck, 1933: <u>22</u> , 164.	N.New Guinea
	arsinoe Lieftinck, 1953: <u>22</u> , 171.	S.E.New Guinea
	bolivari Selys, 1882: <u>11</u> , 12. (= concinna)	Philippines
	braueri Selys, 1882: <u>11</u> , 13.	Philippines
	callirrhoe Lieftinck, 1953: <u>22</u> , 169.	W.New Guinea
	clymene Lieftinck, 1963: <u>25</u> , 767.	d'Entrecasteaux
	concinna Brauer, 1868: <u>18</u> , 733. (syn. bolivari)	
	cyrene Lieftinck, 1953: <u>22</u> , 164.	W.New Guinea & Misool
	dioxippe Lieftinck, 1963: <u>25</u> , 764.	C.W.New Guinea
	erigone Lieftinck, 1953: <u>22</u> , 177.	Misool
	fulgens Ris, 1898: <u>24</u> , 323.	Bismarck Arch.
	hippolyte Lieftinck, 1933: <u>17</u> , 57.	N.New Guinea
	ismene Lieftinck, 1933: <u>17</u> , 55.	N.New Guinea
	lethe Lieftinck, 1953: <u>22</u> , 161. (ssp. of paula)	Misool
	lisa Needham & Gyger, 1941: <u>74</u> , 143.	Philippines
	merope Lieftinck, 1963: <u>25</u> , 721.	W.New Guinea
	micans Lieftinck, 1953: <u>22</u> , 175.	Waigeo
	militaris Ris, 1909: <u>1</u> , 99.	Celebes
	*nana Brauer, 1868: <u>18</u> , 174.	Philippines
	paula Ris, 1919: <u>16</u> , 1059. (has ssp. lethe)	New Guinea
	persephone Lieftinck, 1933: <u>1</u> , 42.	N.New Guinea
	phoebe Ris, 1919: <u>16</u> , 1060. (has ssp. amoena, phryne)	Moluccas
	phryne Lieftinck, 1953: <u>22</u> , 182. (ssp. of phoebe)	Ambon
	smaragdina Selys, 1878: 294.	New Guinea
3.3.2.4.9.	Epithemis Laidlaw, 1955	
	mariae Laidlaw, 1915: <u>11</u> , 338, (Amphithemis).	India

- 3.3.2.4.10. *Hadrothemis* Karsch, 1891
 (= *Archiclops* Karsch, 1891;
 = *Bolivarides* Martin, 1907;
 = *Nymphneutria* Karsch, 1894)
acuminata Martin, 1907: 1, 423.
 (syn. *defecta*)
**camarensis* Kirby, 1889: 12, 298, (Orthetrum). W.Africa
coacta Karsch, 1891: 17, 60. W.Africa
defecta Karsch, 1891: 17, 61. W.Africa
 (= *acuminata*; has ssp. *pseudodeflecta*)
infesta Karsch, 1891: 17, 79. W.Africa
pseudodeflecta Pinhey, 1961: 127. Uganda
 (ssp. of *defecta*)
scabifrons Ris, 1909: 10, 172. Tanganyika.
versuta Karsch, 1891: 17, 62. W.Africa
vrijdaghi Schouteden, 1934: 3, 16. Congo
- 3.3.2.4.-. *Ladona* Needham, 1901
 (sgen. of *Libellula*)
- 3.3.2.4.11. *Lathrecista* Kirby, 1889
**asiatica* Fabricius, 1798: 283, (*Libellula*) India
 (has ssp. *festa*; *interposita*; *pectoralis*;
simulans & *terminalis*)
festa Selys, 1879: 14, 300. New Guinea to N.E. Australia
 (ssp. of *asiatica*)
interposita Foerster, 1898: 21, 287. New Guinea
 (ssp. of *asiatica*)
pectoralis Brauer, 1867: 17, 19. S.Moluccas
simulans Selys, 1879: 14, 300. Malaysia
 (ssp. of *asiatica*)
terminalis Kirby, 1889: 12, 335. Borneo
 (ssp. of *asiatica*)
- 3.3.2.4.12. *Libellula* Linnaeus, 1758
 (has sgen. *Belonia* Kirby, 1889;
Ladona Needham, 1901 and *Plathemis* Hagen, 1861.
 Incl. *Eolibellula*; *Eurothemis*; *Neotetrum*;
Syntetrum Kennedy, 1922; *Holotania* Kirby, 1899;
Leptetrum & *Platetrum* Newman, 1833; *Pigiphila*
Bucheker, 1876).
angelina Selys, 1883: 27, 99. Japan
asahinai Schmidt, 1957: 83.
 (ssp. of *quadrimaculata*)
auripennis Burmeister, 1839: 861. C. & N.America
 (= *costalis*; has form *jesseana*)
axilena Westwood, 1837: 2, 47. S.USA
 (syn. *Ieda*)
basalis Say, 1839: 8, 23.
 (syn. *luctuosa*)

- 3.3.2.4.12. *basilinea* McLachlan, 1894: 13, 430.
 (form of *quadrimaculata*) China
- bifasciata* Fabricius, 1775: 421
 (syn. *pulchella*)
- bimaculata* Stephens, 1836: 6, 92.
 (syn. *fulva*)
- bistigma* Uhler, 1857: 87.
 (syn. *cyannea*)
- comanche* Calvert, 1907: 18, 201.
 (= *flavida* Hagen) C.America - S.USA
- composita* Hagen, 1873: 6, 728. S.W.USA
- confusa* Uhler, 1857: 87.
 (syn. *pulchella*)
- conspurcata* Fabricius, 1798: 283.
 (syn. *fulva*)
- conspurcata* Schneider, 1854: 6, 110.
 (form of *fulva*; [= *pontica*])
- costalis* Rambur, 1842: 59.
 (syn. *auripennis*)
- contacta* Bartenev, 1930: 87, 197.
 (form of *quadrimaculata*) Bessarabia
- croceipennis* Selys, 1868: 11, 67. (sgen. *Belonia*).
 (= *uniformis*) S.America to S.USA
- cyanea* Fabricius, 1775: 424.
 (= *bistigma*; = *quadrupla*) E.USA
- deplanata* Rambur, 1842: 75. (sgen. *Ladona*) S.USA
- **depressa* Linnaeus, 1758: 544. Europe
- exusta* Say, 1839: 8, 29. (sgen. *Ladona*) E. of N.America
- flavida* Hagen, 1861: 156.
 (syn. *comanche*)
- flavida* Rambur, 1842: 58.
 (= *plumbea*) E.USA
- foliata* Kirby, 1889: 12, 333. (sgen. *Belonia*) C.America
- forensis* Hagen, 1861: 154. E. of N.America
- fridricksdalensis* Mueller, 1764: 62.
 (syn. *fulva*)
- fugax* Harris, 1782: 27.
 (syn *fulva*)
- fulva* Mueller, 1764: 62.
 (= *bimaculata*; = *conspurcata* Fabr;
 = *fridricksdalensis*; = *fugax*; has form
pontica, [= *conspurcata* Schneider])
- gaigei* Gloyd, 1938: 377, 2. C.America
- grigorieve* Schmidt, 1961: 19, 420.
 (ssp. of *quadrimaculata*) Afghanistan

- 3.3.2.4.12. *herculea* Karsch, 1889: 15, 235. (sgen. *Belonia*) C. & S.America
 (= *longipennis*)
- hersilia* Blanchard, 1861: 11, 267.
 (syn. *semifasciata*)
- incesta* Hagen, 1861: 155. C. & N.America
- jesseana* Williamson, 1922: 33, 13. Florida
 (form of *aureipennis*)
- julia* Uhler, 1857: 88. (sgen. *Ladona*) N.America
- longipennis* Kirby, 1889: 12, 334.
 (syn. *herculea*)
- leda* Say, 1839: 22.
 (syn. *axilena*)
- luctuosa* Burmeister, 1839: 861. (sgen. *Belonia*)
 (= *basalis*; has form *odiosa*) C. & N.America
- lydia* Drury, 1770: 1, 112. (sgen. *Plathemis*) N.America
 (= *serva*; = *trimaculata*)
- maculata* Harris, 1782: 46.
 (syn. *quadrimaculata*)
- maculata* Rambur, 1842: 55.
 (syn. *semifasciata*)
- melli* Schmidt, 1948: 13, 119. China
- needhami* Westfall, 1943: 69, 22. C. & N.America
- niphonica* Kobayashi, 1941: 11, 39. Korea
- nodisticta* Hagen, 1861: 151. S.America to S.W.USA
- odiosa* Hagen, 1862: 152. (sgen. *Belonia*) Texas (USA)
 (form of *luctuosa*)
- orientalis* Belyshev, 1956: 3, 181. E.Asia
 (ssp. *quadrimaculata*)
- plumbea* Uhler, 1857: 87. (sgen. *Belonia*)
- (syn. *flavida* Rambur)
- pontica* Selys, 1887: 31, 12. S.W.Asia
 (form of *fulva*; [= *conspurcata* Schneider])
- praenubila* Newman, 1833: 1, 420.
 (form of *quadrimaculata*)
- pulchella* Drury, 1770: 1, 115. N.America
 (= *bifasciata*; = *confusa*; = *versicolor*)
- quadrimaculata* Linnaeus, 1758: 543. Holarctic
 (= *maculata* Harris; = *quadripunctata*;
 = *relicta*; = *ternaria*; has ssp. *asahinai*;
grigorieve & *orientalis*; has forms *basilinea*;
contacta & *praenubila*)
- quadripunctata* Fabricius, 1781: 1, 520.
 (syn. *quadrimaculata*)
- quadrupla* Say, 1839: 11, 273.
 (syn. *cyanea*)
- relicta* Belyshev, 1973: 1, 193.
 (syn. *quadrimaculata*)

- 3.3.2.4.12. *saturata* Uhler, 1857: 88. (sgen. *Belonia*) C.America to S.USA
semifasciata Burmeister, 1839: 2, 862. N.America
 (= *hersilia*; = *maculata* Rambur; = *ternaria*)
- serva* Fabricius, 1793: 2, 378.
 (syn. *lydia*)
- subornata* Hagen, 1861: 149. (sgen. *Plathemis*)
ternaria Say, 1839: 21. C.America to S.USA
 (syn. *pt.quadrivittata*, *pt.semifasciata*)
- trimaculata* De Geer, 1773: 3, 556.
 (syn. *lydia*)
- uniformis* Kirby, 1889: 12, 333.
 (syn. *crocceipennis*)
- versicolor* Fabricius, 1775: 423.
 (syn. *pulchella*)
- vibrans* Fabricius, 1793: 2, 380. N.America
- 3.3.2.4.13. *Lokia* Ris, 1919
 (= *Apatelia* Karsch, 1893)
- berenice* Fraser, 1953: 48, 248. Congo
- circe* Ris, 1909: 10, 160. Mayumbe
- coryndoni* Fraser, 1953: 48, 249. E.Africa
- elliotti* Lieftinck, 1969: 14, 15. Zambezi
- erythromelas* Ris, 1909: 10, 159. Lake Leopold
- gamblesi* Lieftinck, 1969: 14, 16. Congo
- **incongruens* Karsch, 1893: 38, 26, (*Apatelia*). Cameroons
- modesta* Ris, 1909: 10, 161. Madagascar
- 3.3.2.4.14. *Lyriothemis* Brauer, 1868
 (= *Calothemis* Selys, 1878)
- acigastra* Selys, 1878: 309. Tibet
- biappendiculata* Selys, 1878: 307. Malaysia
- bivittata* Rambur, 1842: 75. E.Asia
- braueri* Kirby, 1889: 12, 332.
 (syn. *cleis*)
- **cleis* Brauer, 1868: 18, 181. S.E.Asia
 (= *braueri*; = *frontalis*; = *priapea*)
- daui* Krueger, 1902: 63, 157.
 (syn. *magnifica*)
- elegantissima* Selys, 1883: 27, 142. E.Asia
- eurydice* Ris, 1909: 1, 105. S.Celebes
- flava* Oguma, 1915: 101.
 (syn. *tricolor*)
- frontalis* Kirby, 1889: 12, 332.
 (syn. *cleis*)
- hirundo* Ris, 1913: 9, 509. S.New Guinea
- latro* Needham & Gyger, 1937: 63, 95. Luzon

- 3.3.2.4.14. *laui* Krueger, 1902: 63, 156.
 (syn. *magnifica*)
lewisi Selys, 1883: 27, 96.
 (syn. *pachygastra*)
magnifica Selys, 1883: 27, 143.
 (syn. *magnifica*)
magnifica Selys, 1878: 311. S.E.Asia
 (= *dauui*; = *laui*; = *magnifica*)
meyeri Selys, 1878: 294. New Guinea
mortoni Ris, 1919: 2, 1066. Burma
pachygastra Selys, 1878: 310. E.Asia
 (= *lewisi*)
priapea Selys, 1878: 310.
 (syn. *cleis*)
salva Ris, 1927: 10, 37. Sumatra
tricolor Ris, 1916: 2, 1063. E.Asia
 (= *flava*)
- 3.3.2.4.15. *Misagria* Kirby, 1889
- bimaculata* Kimmins, 1943: 10, 157. Guianas
calverti Geijskes, 1951: 62, 71. Surinam
divergens De Marmels, 1981: 10, 319. Venezuela
**parana* Kirby, 1889: 12, 339. S.America
- 3.3.2.4.16. *Nesciothemis* Longfield, 1955
 (= *Limnetothemis* Pinhey, 1966)
- erythra* Pinhey, 1966: 45, 61.
 (syn. *nigeriensis*)
**farinosa* Foerster, 1898: 24, 169, (*Orthetrum*). Rhodesia
 (= *pollinosa*)
fitzgeraldi Pinhey (Longfield), 1955: 27, 61.
minor Gambles, 1966: 99, 161. Nigeria
nigeriensis Gambles, 1966: 99, 167. Nigeria
 (= *erythra*)
pollinosa Karsch, 1899: 25, 372.
 (syn. *farinosa*)
pujoli Pinhey, 1971: 5, 13. C.Africa
- 3.3.2.4.17. *Nesoxenia* Kirby, 1889
- cingulata* Kirby, 1889: 12, 336. Solomon Is.
 (ssp. of *mysis*)
dahli Ris, 1898: 24, 322. Bismarck Arch.
 (ssp. of *mysis*)
interrogata Selys, 1878: 312. Moluccas
 (ssp. of *mysis*)
lineata Selys, 1868: 14, 302.
 (= *malaccensis*; = *nicobarica*) S.E.Asia

- 3.3.2.4.17. *malaccensis* Selys, 1889: 27, 461.
 (syn. *lineata*)
- moluccana* Lieftinck, 1942: 18, 464. Moluccas
 (ssp. of *mysis*)
- mutans* Lieftinck, 1942: 18, 465. W. New Guinea
 (ssp. of *mysis*)
- **mysis* Selys, 1878: 294. S.E. Asia to Solomons
 (= *puella*; has ssp. *cingulata*; *dahli*;
 interrogata; *moluccana*; *mutans* & *tarafia*)
- nicobarica* Ris, 1900: 1, 182.
 (syn. *lineata*)
- puella* Foerster, 1898: 21, 284.
 (syn. *mysis*)
- tarafia* Lieftinck, 1942: 18, 464. N. New Guinea
 (ssp. of *mysis*)
- 3.3.2.4.18. *Notolibellula* Theischinger & Watson, 1977
- bicolor* Theischinger & Watson, 1977: 16, 417. N. Australia
- 3.3.2.4.19. *Orchithemis* Brauer, 1879
- exsudans* Selys, 1878: 309.
 (syn. *pulcherrima*)
- pruinans* Selys, 1878: 308. Malaysia
- **pulcherrima* Brauer, 1878: 77, 6. Malaysia
 (= *exsudans*)
- xanthosoma* Laidlaw, 1911: 1, 190. Borneo
- 3.3.2.4.20. *Orthemis* Hagen, 1861
 (= *Neocysta* Kirby, 1889)
- aequilibris* Calvert, 1909: 6, 245. C. & S. America
- ambinigra* Calvert, 1909: 6, 246. S. America
 (= *cultriformis* Ris)
- ambirufa* Calvert, 1909: 6, 246. Brasil
- attenuata* Erichson, 1848: 3, 583. S. America
- bolleyi* Calvert, 1906: 233. C. & S. America
- concolor* Ris, 1919: 16, 1106. C. & S. America
- cultriformis* Calvert, 1899: 7, 31. C. & S. America
- cultriformis* Ris, 1904: 42.
 (syn. *ambinigra*)
- discolor* Burmeister, 1839: 2, 856.
 (syn. *ferruginea*)
- **ferruginea* Fabricius, 1775: 423, (*Libellula*).
 (= *discolor*; = *macrostigma*; S. America to S. USA
 has ? form *sulphurata*)
- flavopicta* Kirby, 1889: 12, 332. S. America
- levis* Calvert, 1906: 233. C. & S. America
- macrostigma* Rambur, 1842: 57.
 (syn. *ferruginea*)

- 3.3.2.4.20. *nodiplaga* Karsch, 1891: 17, 267. S.America
plaumannii Buchholz, 1950: 1, 80. Brasil
regalis Ris, 1910: 11, 281. Amazon
schmidti Buchholz, 1950: 1, 79. Peru
sibylla Ris, 1919: 11, 287. Surinam
sulphurata Hagen, 1868: 29, 281.
 (form of *ferruginea* ?)
- 3.3.2.4.21. *Orthetrum* Newman, 1833
 (incl. *Crocorthetrum* Fraser, 1921 &
Hydronympha Bucecker, 1876)
abbotti Calvert, 1892: 19, 162. Africa
 (= *flavidulum*; = *mundulum*; = *phillipsi*;
 = *villiersi*; has ssp. *malgassicum*)
aequale Bauman, 1898: 24, 343.
 (syn. *angustiventre*)
africanum Selys, 1887: 31, 21. W.Africa
afrum Martin, 1908: 43, 655.
 (syn. *austeni*)
albicauda Brauer, 1865: 15, 905.
 (syn. *albistylum speciosum*)
albistylum Selys, 1848: 15. Old World
 (has ssp. *speciosum*, [= *albicauda*])
ampullacea Schneider, 1845: 6, 110.
 (syn. *sabina*)
anceps Schneider, 1845: 6, 111.
 (syn. *ramburi*)
angustiventre Rambur, 1842: 59. W.Africa
 (= *aequale*)
austeni Kirby, 1900: 6, 73. C. & W.Africa
 (= *afrum*; = *burgeoni*; = *leoninum*;
 = *monteiroi*)
austrosundanum Lieftinck, 1953: 64, 208. Sumba
azureum Rambur, 1842: 68. Madagascar
 (has ssp. *lugubre*)
baeticum Rambur, 1842: 66.
 (syn. *nitidinerve*)
balteatum Lieftinck, 1933: 17, 63. New Guinea to N.Australia
barbarum Selys, 1849: 3, 117.
 (syn. *chrysostigma*)
biguttata Donovan, 1808: 449.
 (syn. *coerulescens*)
bismarckianum Ris, 1898: 321.
 (syn. *villosovittatum*)
borneense Kimmins, 1936: 18, 70. N.W. Borneo
boumiera Watson & Arthington, 1978: 17, 151. Queensland

- 3.3.2.4.21. *brachiale* Palisot de Beauvois, 1805: 171. Africa
 (has ssp. *wrighti*)
- bramineum* Kirby, 1890: 39. S.Europe
 (syn. *caledonicum*)
- bremii* Rambur, 1842: 48. S.Europe
 (syn. *trinacria*)
- brevistylum* Kirby, 1896: 521. S.Europe
 (syn. *taeniolatum*)
- brunneum* Fonscolombe, 1837: 6, 141. S.Europe
 (has ssp. *cynchos*; [= *sardoum*])
- burgeoni* Schouteden, 1934: 3, 13. Cameroons
 (syn. *austeni*)
- caffrum* Burmeister, 1839: 2, 856. Africa
 (= *fasciolatum*; = *subfasciolatum*; = *truncatum*;
 has ssp. *camerunense*)
- caledonicum* Brauer, 1865: 15, 505. Papua-Australasia
 (= *bramineum*; = *coeleste*)
- camerunense* Gambles, 1959: 95, 44. Cameroons
 (ssp. of *caffrum*)
- cancellatum* Linnaeus, 1758: 544. Eurasia
 (= *frumenti*; = *helveticum*;
 has ssp. *kraepelini* & *orientale*)
- capense* Calvert, 1893: 16, 584. Eurasia
 (syn. *julia capicola*)
- capicola* Kimmins, 1957: 90, 95. Africa
 (ssp. of *julia*, stat.nov. Pinhey, 1970: 4, 296.)
- carnaticum* Kirby, 1890: 39. Eurasia
 (syn. *triangulare*)
- ceylanicum* Foerster, 1903: 541. Eurasia
 (syn. *pruinosum neglectum*)
- chandrabali* Mehrotra, 1961: 21, 137. India
- chrysis* Selys, 1892: 30, 462. S.E.Asia
 (= *smithi*)
- chrysostigma* Burmeister, 1839: 857. Africa
 (= *barbarum*; has ssp. *toddi*)
- cinctifrons* Pinhey, 1970: 4, 301. Africa
 (ssp. of *icteromelas*)
- clathrata* Rambur, 1842: 48. Eurasia
 (syn. *trinacria*)
- clelia* Selys, 1878: 313. S.E.Asia
 (ssp. of *pruinosum*)
- coarctatum* Rambur, 1842: 61. Eurasia
 (syn. *stemmale*)
- coeleste* Selys, 1849: 10, 174. Europe
 (syn. *caledonicum*)
- **coeruleescens* Fabricius, 1798: 285, (Libellula). Europe
 (= *biguttata*; = *donovani*; = *dubia*;
 = *olympia*; = *opalina*)

- 3.3.2.4.21. *congoense* Fraser, 1949: 61, 17.
 (syn. *julia*)
- contractum* Rambur, 1842: 60.
 (syn. *stemmale*)
- cynchos* Selys, 1848: 15. Corsica
 (ssp. of *brunneum*)
- delesserti* Selys, 1873: 314.
 (syn. *triangulare*)
- devium* Needham, 1930: 11, 129. China
- donovani* Leach, 1815: 136.
 (syn. *coeruleascens*)
- dubia* Rambur, 1842: 67.
 (syn. *coeruleascens*)
- falsum* Longfield, 1955: 27, 26.
 (ssp. of *julia*, - stat nov. Pinhey, 1970: 4, 296.)
- fasciolatum* Rambur, 1842: 69.
 (syn. *caffrum*) → *faunorum*
- fenichelii* Foerster, 1898: 21, 279. (*Nesiothemi*)
 (syn. *villosovittatum*) *faunorum*)
- flavidulum* Kirby, 1898: 2, 238.
 (syn. *abbotti*)
- fraseri* Sahni, 1965: 27, 280.
 (syn. *glaucum*)
- frumenti* Mueller, 1767: 3, 129.
 (syn. *cancellatum*)
- ganeshii* Mehrotra, 1961: 21, 137. India
- garhwalicum* Singh & Baijal, 1954: 3, 393. India
- gangi* Sahni, 1965: 13, 89.
 (syn. *glaucum*)
- gibba* Fabricius, 1798: 284.
 (syn. *sabina*)
- glaucum* Brauer, 1865: 15, 1012.
 (= *fraseri*; = *gangi*; = *nicevillei*) S.E.Asia
- gracile* Selys, 1887: 31, 15.
 (syn. *ransonetti*)
- guineense* Ris, 1909: 10, 207. Africa
- guptai* Singh, 1955: 4, 746. Himalayas
- helena* Buchholz, 1954: 66. Balkans
- helveticum* Buchacker, 1876: 8.
 (syn. *cancellatum*)
- hintzi* Schmidt, 1951: 20, 178.
 (=[*Oxythemis*] *aequatorialis*; =[*Aethiothemis*]
paludinii; = *vrydaghi*; has form *zernyi*) W.Africa
- hyalinum* Kirby, 1886: 326.
 (syn. *taeniolatum*)

3.3.2.4.21.	<i>icteromelas</i> Ris, 1910: <u>10</u> , 197. (has ssp. <i>cinctifrons</i>)	Madagascar
	<i>igarashii</i> Asahina, 1973: <u>17</u> , 17. (ssp. of <i>trinacria</i>)	Iraq
	<i>imitans</i> Schmidt, 1951: <u>20</u> , 181. (form of <i>microstigma</i>)	
	<i>internum</i> McLachlan, 1894: <u>13</u> , 431. (ssp. of <i>japonicum</i>)	E.Asia
	<i>japonicum</i> Uhler, 1858: 29. (has ssp. <i>internum</i>)	Japan
	<i>julia</i> Kirby, 1900: <u>6</u> , 75. (= <i>nigrescens</i> Foerster; = <i>congoense</i> ; has ssp. <i>falsum</i> & <i>capicola</i> [= <i>capense</i>])	Africa
	<i>kalai</i> Longfield, 1936: <u>85</u> , 487. (syn. <i>stemmale</i>)	
	<i>kollmanspergeri</i> Buchholz, 1959: <u>1</u> , 85.	C.Africa
	<i>kraepelini</i> Ris, 1897: <u>41</u> , 45. (ssp. of <i>cancellatum</i>)	India
	<i>kristensenii</i> Ris, 1911: <u>1</u> , 126.	Ethiopia
	<i>latihami</i> Pinhey, 1966: <u>45</u> , 40.	Congo
	<i>lemur</i> Ris, 1909: <u>2</u> , 219. (has form <i>milloti</i>)	Madagascar
	<i>leoninum</i> Karsch, 1898: <u>24</u> , 343. (syn. <i>austeni</i>)	
	<i>leptura</i> Burmeister, 1839: <u>2</u> , 858. (syn. <i>sabina</i>)	
	<i>lineostigma</i> Selys, 1887: <u>31</u> , 52.	China
	<i>lugubre</i> Ris, 1915: <u>4</u> , 142. (ssp. of <i>azureum</i>)	Comoro Is.
	<i>luzonicum</i> Brauer, 1868: <u>18</u> , 169. (= <i>tricolor</i>)	S.E.Asia
	<i>machadoi</i> Longfield, 1955: <u>27</u> , 36. (has form <i>rhodesiae</i>)	Africa
	<i>macrostigma</i> Longfield, 1945: <u>16</u> , 25.	Angola
	<i>malaccense</i> Foerster, 1903: 542. (ssp. of <i>triangulare</i>)	Malaysia
	<i>malgassicum</i> Pinhey, 1970: <u>4</u> , 285. (ssp. of <i>abbotti</i>)	Madagascar
	<i>martensi</i> Asahina, 1978: <u>59</u> , 115.	Kashmir
	<i>melania</i> Selys, 1883: <u>27</u> , 103.	China - Japan
	<i>microstigma</i> Ris, 1911: <u>1</u> , 128. (has form <i>imitans</i>)	W.Africa
	<i>migratum</i> Lieftinck, 1951: <u>1488</u> , 35. (ssp. of <i>pruinosum</i>)	N.Australia
	<i>milloti</i> Fraser, 1949: 17. (form of <i>lemur</i>)	

- 3.3.2.4.21. *miyajimaense* Yuki & Doi, 1938: 1, 153. Japan
 (ssp. of *poecilops*)
- monardi* Schmidt, 1951: 20, 179. W.Africa
- monteiroi* Kirby, 1900: 6, 73.
 (syn. *austeni*)
- mundulum* Morton, 1928: 64, 121.
 (syn. *abbotti*)
- neglectum* Rambur, 1842: 86. India to China
 (ssp. of *pruinosum*)
- nicevillei* Kirby, 1894: 14, 112.
 (syn. *glaucum*)
- nigrescens* Barteneff, 1929: 3, 54.
 (form of *sabina*)
- nigrescens* Foerster, 1906: 71, 46.
 (syn. *julia*)
- nitidinerve* Selys, 1841: 243. N.Africa
 (= *baeticum*)
- olympia* Fonscolombe, 1837: 6, 139.
 (syn. *coeruleescens*)
- opalinum* Charpentier, 1825: 45.
 (syn. *coeruleescens*)
- orientale* Belyshev, 1958: 37, 37. Mongolia
 (ssp. of *cancellatum*)
- parvulum* Foerster, 1903: 537.
 (syn. *villosovittatum*)
- petalura* Brauer, 1865: 15, 506.
 (syn. *pruinosum neglectum*)
- phillipsi* Kirby, 1896: 522.
 (syn. *abbotti*)
- poecilops* Ris, 1919: 16, 1091 E.Asia
 (has ssp. *miyajimaense*)
- pruinosum* Burmeister, 1839: 2, 858. S.E.Asia
 (has ssp. *clelia*; *schneideri* & *neglectum*
 [= *ceylanicum*; = *petalura*])
- ramburi* Martin, 1910: 79, 98. Middle East
 (= *anceps*)
- ransonneti* Brauer, 1865: 15, 1009. Egypt to Iran
 (= *gracile*)
- rhodesiae* Pinhey, 1960: 96, 269. N.Rhodesia
 (form of *machadoi*)
- robustum* Balinsky, 1965: 39, 3. Bechuanaland
- rubens* Barnard, 1937: 32, 246. S.Africa
- sabina* Drury, 1770: 1, 114. Old World
 (= *ampullacea*; = *gibba*; = *leptura*;
 has ssp. *viduatum* and form *nigrescens* Barteneff)
- saegeri* Pinhey, 1966: 45, 44. Congo
- sagitta* Ris, 1915: 15, 216. W.Africa

- 3.3.2.4.21. *sardoum* Rambur, 1842: 68.
 (syn. *brunneum cycnos*)
- schneideri* Foerster, 1903: 541.
 (ssp. of *pruinorum*)
- serapia* Watson, 1984: 23, 1. W. to S.W.Pacifica
- signiferum* Lieftinck, 1926: 7, 288. Buru
- silvarum* Lieftinck, 1934: 3, 267. W.Java
- smithi* Fraser, 1921: 162.
 (syn. *chrysina*)
- speciosum* Uhler, 1858: 80. Japan
 (ssp. of *albistylum*)
- stemmale* Burmeister, 1839: 2, 857. Mauritius
 (= *coarctatum*; = *contractum*; = *kalai*)
- subfasciolatum* Brauer, 1865: 15, 506.
 (syn. *caffrum*)
- sumbanum* Foerster, 1903: 542. Sumba
 (ssp. of *testaceum*)
- taeniolatum* Schneider, 1845: 6, 111. Africa-S.Asia
 (= *brevistylum*; = *hyalinum*)
- testaceum* Burmeister, 1839: 2, 859. Malaysia
 (has ssp. *sumbanum*)
- toddi* Pinhey, 1970: 14, 280. W.Africa
 (ssp. of *chrysostigma*)
- translatum* Bartenev, 1929: 23, 124. Russia
- triangulare* Selys, 1878: 314. India
 (= *carnaticum*; = *delesserti*; has ssp.
 malaccense)
- tricolor* Kirby, 1893: 24, 555.
 (syn. *luzonicum*)
- trinacria* Selys, 1841: 244. S.Europe-Africa
 (= *bremii*; = *clathrata*; has ssp. *igarashii*)
- truncatum* Calvert, 1892: 19, 162.
 (syn. *caffrum*)
- viduatum* Lieftinck, 1942: 18, 475. C.W.New Guinea
 (ssp. of *sabina*)
- villiersi* Fraser, 1949: 11, 326.
 (syn. *abbotti*)
- villosovittatum* Brauer, 1868: 18, 167. S.E.Asia to Australia
 (= *bismarckianum*; = *fenicheli*;
 = *parvulum*)
- vrydaghi* Fraser, 1954: 50, 260.
 (syn. *hintzi*)
- wrighti* Selys, 1869: 12, 96.
 (ssp. of *brachiale*; comb nov. Pinhey, 1970: 4, 293.)
- zernyi* Schmidt, 1951: 20, 178.
 (form of *hintzi*)

3.3.2.4.22. *Oxythemis* Ris, 1909

aequatorialis Fraser, 1954: 50, 259.
(syn. *Orthetrum hintzi*)

gamblesi Longfield, 1959: 45, 36.
(ssp. of *phoenicosceles*)

**phoenicosceles* Ris, 1909: 163.
(has ssp. *gamblesi*)

W.Africa

3.3.2.4.23. *Phyllothemis* Fraser, 1935.

**eltoni* Fraser, 1935: 37, 891.

Burma

raymondi Lieftinck, 1950: 20, 643.

N.E.Sumatra

3.3.2.4.-. *Plathemis* Hagen, 1861

(sgen. of *Libellula*)

3.3.2.4.24. *Pornothemis* Krueger, 1902

**serrata* Krueger, 1902: 63, 163.

S.E.Asia

starrei Lieftinck, 1948: 19, 270.

Malaysia

3.3.2.4.25. *Potamarcha* Karsch, 1890

*congener Rambur, 1842: 70, (*Libellula*). S.E.Asia to Australia
(= *obscura*)

obscura Rambur, 1842: 64.
(syn. congener)

puella Needham, 1930: 11, 138.

China

3.3.2.4.26. *Protorthemis* Kirby, 1899

(= *Nesocria* Kirby, 1889;
= *Pseudorthemis* Foerster, 1899)

**celebensis* Kirby, 1889: 12, 334.

Celebes

coronata Brauer, 1866: 16, 565. Moluccas to Bismarck Arch.
(= *wahnesi*)

intermedia Fraser, 1936: 38, 700.

Palawan

wahnesi Foerster, 1897: 41, 39.
(syn. *coronata*)

woodfordi Kirby, 1889: 12, 335.

Solomon Is.

3.3.2.4.27. *Thermorthemis* Kirby, 1889

(= *Donzella* Navas, 1915)

comorensis Fraser, 1959: 10, 1.

Comoro Is.

**madagascariensis* Rambur, 1842: 56, (*Libellula*).
(= *madegassa*)

Madagascar

madegassa Navas, 1915: 30.
(syn. *madagascariensis*)

3.3.2.5. Sympetrinae. Medium sized forms. Arc between antenodals 1-2;

sectors of arc joined for some distance from origin; distal antenodal incomplete; costal side of fore wing trig narrow; anal loop present; accessory veins at bridge and in cubital space; base of trig in hind wing at level of arc.

3.3.2.5.1. *Acisoma* Rambur, 1842

- 3.3.2.5.1. *ascalaphoides* Rambur, 1842: 29.
 (ssp. of *panorpoides*) Africa & Madagascar
- inflata* Selys, 1882: 11, 8. C. to N.Africa
 (form of *panorpoides ascalaphoides*)
- lacroixi* Martin, 1905: 23, 175. C.Africa
- **panorpoides* Rambur, 1842: 28. S. & E.Asia & Africa
 (has ssp. *ascalaphoides*
 [and form *inflata*])
- trifida* Kirby, 1889: 12, 341. C. & W.Africa
- variegatum* Kirby, 1898: 2, 239. E.Africa
- 3.3.2.5.2. *Brachythemis* Brauer, 1868
- (= *Cacergates* Kirby, 1889;
Termitophorba Foerster, 1906;
Zonothrasys Karsch, 1890)
- aureolum* Navas, 1932: 8, 4.
 (syn. *contaminata*)
- **contaminata* Fabricius, 1793: 2, 382, (*Libellula*). S. & E.Asia
 (= *aureolum*; = *truncatula*)
- fuscopalliatata* Selys, 1887: 31, 23. Asia Minor
- impartita* Karsch, 1890: 51, 297.
 (syn. *leucosticta*)
- lacustris* Kirby, 1889: 12, 329. Africa
 (= *partita*; = *rufina*)
- leucosticta* Burmeister, 1839: 2, 849. Mediterranean
 (= *impartita*; = *unifasciata*)
- liberiensis* Fraser, 1949: 11, 305. W.Africa
- partita* Karsch, 1890: 51, 297.
 (syn. *lacustris*)
- rufina* Foerster, 1906: 71-72, 9.
 (syn. *lacustris*)
- truncatula* Rambur, 1842: 95.
 (syn. *contaminata*)
- unifasciata* Rambur, 1842: 108.
 (syn. *leucosticta*)
- wilsoni* Pinhey, 1952: 3, 16. Sudan
- 3.3.2.5.3. *Bradinopyga* Kirby, 1893
 (= *Apeleutherus* Karsch, 1900)
- cornuta* Ris, 1911: 13, 547. E.Africa
 (has form *subcancellata*)
- **geminata* Rambur, 1842: 90, (*Libellula*). India
 (= *stigmata*)
- saintjohanni* Baijal & Agarwal, 1956: 4, 462. India
- stigmata* Kirby, 1893: 24, 553.
 (syn. *geminata*)
- strachani* Kirby, 1900: 6, 74. Africa
- subcancellata* Martin, 1921: 90, 94.
 (form of *cornuta*) Mozambique

- 3.3.2.5.4. *Crocothemis* Brauer, 1868
 (= *Beblecia* Kirby, 1900)
- adolescens* Kirby, 1900: 6, 71.
 (syn. *divisa*)
- arabica* Schneider, 1982: 92, 25. Jordan
 (ssp. of *sanguinolenta*)
- brevistigma* Pinhey, 1961: 14, 80. Zambia
- chaldaeora* Morton, 1920: 5, 298. Iraq
 (ssp. of *erythraea*)
- coccinea* Charpentier, 1840: 70.
 (syn. *erythraea*)
- crocea* Navas, 1917: 3, 1. Philippines
- divisa* Karsch, 1898: 24, 342. Africa
 (= *adolescens*; = *ikutana*)
- erythraea* Brulle, 1832: 3, 102. W.Old World
 (= *coccinea*; = *lorti*; = *rubra*; = *victoria*;
 has ssp. *chaldaeora*)
- ferrugaria* Rambur, 1842: 82.
 (syn. *sanguinolenta*)
- ikutana* Foerster, 1906: 71, 27.
 (syn. *divisa*)
- indica* Sahni, 1965: 27, 284. N.India
- lorti* Kirby, 1896: 522.
 (syn. *erythraea*)
- mariannae* Kiauta, 1983: 12, 381. Japan
 (ssp. of *servilia*)
- misrai* Baijal & Agarwal, 1956: 4, 460. India
- nigrifrons* Kirby, 1894: 14, 19. Papua-Australia
 (= *papuana*)
- novaguineensis* Foerster, 1898: 21, 288. New Guinea
 (ssp. of *servilia*)
- papuana* Foerster, 1910: 29, 54.
 (syn. *nigrifrons*)
- pygmaea* Foerster, 1906: 71, 29.
 (syn. *sanguinolenta*)
- reticulata* Kirby, 1886: 328.
 (syn. *servilia*)
- rubra* De Villers, 1789: 3, 11.
 (syn. *erythraea*)
- sanguinolenta* Burmeister, 1839: 2, 859. Africa
 (= *ferrugaria*; = *pygmaea*; has ssp. *arabica*)
- saxicolor* Ris, 1919: 16, 1164. Africa
- **servilia* Drury, 1770: 1, 112, (*Libellula*).
 (= *reticulata*; = *soror*; has ssp. *mariannae* & *novaguineensis*) Eurasia & Florida (USA)
- soror* Rambur, 1842: 82.
 (syn. *servilia*)

- 3.3.2.5.4. *striata* Lohmann, 1981: 10, 111. Madagascar
victoria Fourcroy, 1785: 348.
 (syn. *erythraea*)
- 3.3.2.5.5. *Cyanothemis* Ris, 1915
simpsoni Ris, 1915: 15, 219. Sierra Leone
- 3.3.2.5.6. *Deielia* Kirby, 1889
brevistigma Oguma, 1922: 100.
 (syn. *phaon*)
dispar Selys, 1883: 27, 107. Japan
 (form of *phaon*)
fasciata Kirby, 1889: 12, 281.
 (syn. *phaon*)
**phaon* Selys, 1883: 27, 106, (Trithemis). E.Asia
 (= *brevistigma*; = *fasciata*; has form *dispar*)
- 3.3.2.5.7. *Diplacodes* Kirby, 1889
bipunctata Brauer, 1865: 15, 503. E.Asia-Australasia
 (= *novaesealandiae*; = *pacifica*)
braminea Fabricius, 1798: 284.
 (syn. *trivialis*)
concinna Rambur, 1842: 120.
 (syn. *lefebvrai*)
deminuta Lieftinck, 1969: 14, 32. S.C.Africa
 (= *exilis* Pinhey)
exilis Pinhey, 1958: 22B, 115. Africa
 (syn. *deminuta*)
exilis Ris, 1911: 12, 464.
 (syn. *exul*)
exul Selys, 1883: 27, 96. Africa
 (= *exilis* Ris)
flavistyla Rambur, 1842: 117.
 (syn. *lefebvrei*)
haematodes Burmeister, 1839: 2, 849. Papua-Australasia
 (= *subhyalina*)
**lefebvrei* Rambur, 1842: 112, (Libellula). Mediterranean
 (= *concinna*; = *flavistyla*; = *morio*;
 = *parvula*; = *ramburi*; = *tetra*; = *unimacula*)
melanopsis Martin, 1901: 19, 222. E.Australia
morio Schneider, 1845: 6, 112.
 (syn. *lefebvrei*)
nebulosa Fabricius, 1793: 2, 379. India to Australia
novaesealandiae McLachlan, 1894: 5, 270.
 (syn. *bipunctata*)
okavangoensis Pinhey, 1976: 5, 579. Botswana
pacifica Kirby, 1884: 13, 455.
 (syn. *bipunctata*)

- 3.3.2.5.7. *parvula* Rambur, 1842: 116.
 (syn. *lefebvrei*)
- ramburi* Kirby, 1890: 42.
 (syn. *lefebvrei*)
- remota* Ris, 1911: 12, 470.
 (syn. *trivialis*)
- subhyalina* Foerster, 1898: 21, 289.
 (syn. *haematodes*)
- tetra* Rambur, 1842: 119.
 (syn. *lefebvrei*)
- trivialis* Rambur, 1842: 115. India to Australia
 (= *braminea*; = *remota*)
- unimacula* Foerster, 1906: 59, 307.
 (syn. *lefebvrei*)
- 3.3.2.5.8. *Erythemis* Hagen, 1861
 (= *Mesothemis* Hagen, 1861; incl. *Lepthemis*
 Hagen, 1861)
- acuta* Say, 1839: 8, 44.
 (syn. *vesiculosa*)
- annulata* Palisot de Beauvois, 1842: 78.
 (syn. *attala*)
- annulosa* Selys, 1857: 445.
 (syn. *attala*)
- attala* Selys, 1857: 445. C. & S.America
 (= *annulata*; = *annulosa*; = *mithra*)
- bicolor* Erichson, 1848: 3, 583.
 (syn. *peruviana*)
- bicolor* Hagen, 1861: 169.
 (syn. *mithroides*)
- coerulans* Rambur, 1842: 64.
 (syn. *simplicicollis*)
- carmelita* Williamson, 1923: 11, 10. S.America
- collocata* Hagen, 1861: 171. C. & N.America
- credula* Hagen, 1861: 184. C. & S.America
- gundlachi* Scudder, 1866: 10, 195.
 (syn. *simplicicollis*)
- haematogastra* Burmeister, 1839: 2, 857. C. & S.America
- maculiventris* Rambur, 1842: 87.
 (syn. *simplicicollis*)
- mithra* Selys, 1857: 446.
 (syn. *attala*)
- mithroides* Brauer, 1900: 45. 266. C. & S.America
 (= *bicolor* Hagen)
- **peruviana* Rambur, 1842: 81, (*Libellula*). C. & S.America
 (= *bicolor* Erichson; = *rubriventris*)
- plebeja* Burmeister, 1839: 2, 856. S.America to S.U.S.A
 (= *verbenata*)

- 3.3.2.5.8. *ruberiventris* Blanchard, 1843: 217.
 (syn. *peruviana*)
- simplicicollis* Say, 1839: 28. N. & C. America
 (= *coeruleans*; = *gundlachi*; = *maculiventris*)
- verbenata* Hagen, 1861: 162.
 (syn. *plebeja*)
- vesiculosa* Fabricius, 1775: 421. S. America to S. USA
 (= *acuta*)
- 3.3.2.5.9. *Erythrodiplax* Brauer, 1868
- abjecta* Rambur, 1842: 83. C. & S. America
 (= *basifusca*; = *ponderosa*)
- acantha* Borrer, 1942: 4, 199. Brasil
- aequatorialis* Ris, 1911: 12, 489.
 (syn. *famula*)
- affinis* Kirby, 1889: 12, 323.
 (syn. *funerea*)
- amazonica* Sjoestedt, 1918: 11, 46. S. America
 (= *lenti*; has ssp. *melanica*)
- ambusta* Hagen, 1867: 11, 293.
 (syn. *justiniana*)
- anatoidea* Borrer, 1942: 4, 66. Brasil
- andagoya* Borrer, 1942: 4, 123. C. & S. America
- angustipennis* Borrer, 1942: 4, 68. S. America
- anomala* Brauer, 1865: 15, 504. S. America
- atroterminata* Ris, 1911: 12, 50. S. America
- attenuata* Kirby, 1889: 12, 328.
 (= *hyalina* Sjoestedt)
- avittata* Borrer, 1942: 4, 142. S. America
 (ssp. of *basalis*)
- basalis* Kirby, 1897: 19, 610. S. America
 (has ssp. *avittata*)
- basifusca* Calvert, 1895: 4, 536.
 (syn. *abjecta*)
- berenice* Drury, 1770: 1, 114. N. to S. America
 (= *histrio*; has ssp. *naeva*)
- branconensis* Sjoestedt, 1929: 50, 295. Amazon
- castanea* Burmeister, 1839: 2, 854. C. & S. America
- cauca* Borrer, 1942: 4, 183. Colombia
- chloropleura* Brauer, 1865: 16, 504.
 (syn. *connata*)
- chromoptera* Borrer, 1942: 4, 128. Brasil
- cleopatra* Ris, 1911: 12, 501. Peru
- clitella* Borrer, 1942: 4, 126. E. of S. America
- communis* Rambur, 1842: 93.
 (syn. *connata*)

- 3.3.2.5.9. *connata* Burmeister, 1839: 2, 855, (*Libellula*). N. & S.America
 (= *chloropleura*; = *communis*; = *fraterna*; = *leontina*;
 = *pallida*; = *portoricensis*; has ssp. *fusca*,
 [= *incompta*] & *minuscula*)
- **corallina* Brauer, 1865: 15, 502. Chile
 (= *nutrina*; = *plebeja*)
- distinguenda* Rambur, 1842: 81.
 (syn. *ochracea*)
- erichsoni* Kirby, 1897: 14, 263.
 (syn. *unimaculata*)
- erratica* Erichson, 1848: 3, 584. S.America
 (? syn. *venusta*)
- fallax* Burmeister, 1839: 2, 855.
 (syn. *umbrata*)
- famula* Erichson, 1848: 3, 584. C. & S.America
 (= *aequatorialis*)
- fervida* Erichson, 1848: 3, 584. C. & S.America
 (= *justina*)
- flavicans* Rambur, 1842: 87.
 (syn. *umbrata*)
- fraterna* Hagen, 1873: 15, 375.
 (syn. *connata*)
- friedericella* Foerster, 1904: 21, 2.
 (syn. *maculosa*)
- fulva* Borrer, 1957: 2, 31. Venezuela
- funerea* Hagen, 1861: 158. S.America to S.USA
 (= *affinis*; = *tyleri*)
- fusca* Rambur, 1842: 78. C. & S.America
 (ssp. of *connata* [= *incompta*])
- fuscofasciata* Blanchard, 1845: 2, 217.
 (syn. *umbrata*)
- gomesi* Santos, 1946: 6, 33. Brasil
- hemimelaena* Karsch, 1890: 51, 296.
 (syn. *unimaculata*)
- histrion* Burmeister, 1839: 2, 849.
 (syn. *berenice*)
- hyalina* Foerster, 1907: 24, 6. S.America
- hyalina* Sjoestedt, 1918: 49.
 (syn. *attenuata*)
- incompta* Rambur, 1842: 119.
 (syn. *connata fusca*)
- ines* Ris, 1911: 12, 510. S.America
- juliana* Ris, 1911: 12, 513. Brasil
- justina* Selys, 1857: 450.
 (syn. *fervida*)
- justiniana* Selys, 1857: 8, 451. Antilles
 (= *ambusta*)

3.3.2.5.9.	kimminsi Borror, 1942: <u>4</u> , 86. latimaculata Ris, 1911: <u>12</u> , 495. lativittata Borror, 1942: <u>4</u> , 100. laurentia Borror, 1942: <u>4</u> , 83. lenti Ris, 1919: <u>16</u> , 1156. (syn. amazonica) leontina Brauer, 1865: <u>15</u> , 505. (syn. connata) longitudinalis Ris, 1919: <u>16</u> , 1140. luteofrons Santos, 1956: 1. lygaea Ris, 1911: <u>12</u> , 515. maculosa Hagen, 1861: 187. (= friedericella) media Borror, 1942: <u>4</u> , 178. melanica Borror, 1942: <u>4</u> , 53. (ssp. of amazonica) melanorubra Borror, 1942: <u>4</u> , 184. minuscula Rambur, 1842: 115. (ssp. of connata) montezuma Calvert, 1899: <u>1</u> , 397. (syn. umbrata) naeva Hagen, 1861: 167. (ssp. of berenice) nigricans Rambur, 1842: 97. (= vilis) nivea Borror, 1942: <u>4</u> , 134. nutrina Foerster, 1914: <u>80</u> , 72. (syn. corallina) ochracea Burmeister, 1839: <u>2</u> , 854 (= distinguenda; has ssp. aequatorialis & solimaea) pallida Needham, 1904: <u>27</u> , 710. (syn. connata) parazuayensis Foerster, 1904: <u>21</u> , 4. parvimaculata Borror, 1942: <u>4</u> , 82. plebeja Rambur, 1842: 107. (syn. corallina) ponderosa Karsch, 1891: <u>6</u> , 113. (syn. abjecta) portoricensis Kolbe, 1888: <u>1</u> , 168. (syn. connata) pulla Burmeister, 1839: <u>2</u> , 855. (syn. unimaculata) ruralis Burmeister, 1839: 855. (syn. umbrata)	C. & S.America Brasil S.America S.America Amazonia Brasil S.America S.America Brasil S.America S.America USA S.America S.America S.America to S.USA S.America Brasil C. & S.America S.America Bolivia
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- 3.3.2.5.9. *solimaea* Ris, 1911: 490.
 (ssp. of *ochracea*) Brasil
- subfasciata* Burmeister, 1839: 855.
 (syn. *umbrata*)
- tenuis* Borror, 1942: 4, 120. S.America
- transversa* Borror, 1957: 2, 37. Venezuela
- tripartita* Burmeister, 1839: 855.
 (syn. *umbrata*)
- tyleri* Kirby, 1899: 3, 364.
 (syn. *funerea*)
- umbrata* Linnaeus, 1758: 545. N. to S.America
 (= *fallax*; = *flavicans*; = *fuscofasciata*;
 = *montezuma*; = *ruralis*; = *subfasciata*;
 = *tripartita*; = *unifasciata*)
- unifasciata* De Geer, 1773: 3, 557.
 (syn. *umbrata*)
- unimaculata* De Geer, 1773: 3, 558. C. & S.America
 (= *erichsoni*; = *hemimelaena*; = *pulla*)
- venusta* Kirby, 1897: 19, 612. S.America
 (? = *erratica*)
- vilis* Rambur, 1842: 98.
 (syn. *nigricans*)
- 3.3.2.5.10. *Indothemis* Ris, 1909
- analis* Selys, (Ris, 1911: 530).
 (syn. *carnatica*)
- caesia* Rambur, 1842: 95.
 (syn. *carnatica*)
- **carnatica* Fabricius, 1798: 284, (*Libellula*). India to Indochina
 (= *analis*; = *caesia*; = *meridionalis*)
- limbata* Selys, 1891: 30, 463. India to Malaya
 (has ssp. *sita*)
- meridionalis* Selys, 1884: 28, 36.
 (syn. *carnatica*)
- sita* Campion, 1923: 11, 29. Ceylon
 (ssp. of *limbata*)
- 3.3.2.5.11. *Nadiplax* Navas, 1916
- diversa* Navas, 1916: 2, 73. Brasil
- 3.3.2.5.12. *Nannodiplax* Brauer, 1868
- rubra* Brauer, 1868: 18, 556. Papua-Australia
- 3.3.2.5.13. *Nesogonia* Kirby, 1898
- blackburni* McLachlan, 1883: 12, 229, (*Lepthemis*) Hawaii
- 3.3.2.5.14. *Neurothemis* Brauer, 1867
 (= *Polyneura* Rambur, 1842;
 = *Untamo* Kirby, 1889)
- apicalis* Guerin, 1838: 2, 194.
 (syn. *fulvia*)

3.3.2.5.14.	<i>apicalis</i> Kirby, 1889: <u>12</u> , 331. (syn. <i>fluctuans</i>)	
	<i>atalanta</i> Ris, 1919: <u>16</u> , 1168. (ssp. of <i>intermedia</i>)	Assam
	<i>bramina</i> Guerin, 1838: <u>2</u> , 194. (ssp. of <i>stigmatizans</i>)	New Guinea
	<i>ceylanica</i> Brauer, 1867: <u>17</u> , 11. (syn. <i>fluctuans</i>)	
	<i>communimacula</i> Rambur, 1842: 73. (syn. <i>feralis</i>)	
	<i>decora</i> Brauer, 1866: <u>16</u> , 568. (= <i>paradisea</i>)	New Guinea
	<i>degener</i> Selys, 1879: 296. (ssp. of <i>intermedia</i> , [= <i>septentrionis</i>])	India
	<i>diplax</i> Brauer, 1867: <u>17</u> , 18. (syn. <i>stigmatizans bramina</i>)	
	<i>disparilis</i> Kirby, 1889: <u>12</u> , 322.	Borneo
	<i>elegans</i> Ris, 1906: <u>1</u> , 179. (syn. <i>stigmatizans</i>)	
	<i>equestris</i> Fabricius, 1781: <u>1</u> , 523. (syn. <i>tullia</i>)	
	<i>excelsa</i> Lieftinck, 1934: <u>3</u> , 269. (ssp. of <i>intermedia</i>)	Java
	<i>feralis</i> Burmeister, 1839: <u>2</u> , 855. (= <i>communimacula</i>)	S.E. Asia
	<i>fluctuans</i> Fabricius, 1793: <u>2</u> , 379. (= <i>apicalis</i> Kirby; = <i>ceylanica</i> ; = <i>nicobarica</i> ; = <i>pallata</i>)	S.E. Asia
	* <i>fulvia</i> Drury, 1773: <u>2</u> , 46, (<i>Libellula</i>). (= <i>apicalis</i> Guerin; = <i>sophronia</i> ; = <i>sumatrana</i>)	S.E. Asia
	<i>innominata</i> Brauer, 1867: <u>17</u> , 17. (syn. <i>stigmatizans manadensis</i>)	
	<i>intermedia</i> Rambur, 1842: 91. (has ssp. <i>atalanta</i> ; <i>degener</i> [= <i>septentrionis</i>] & <i>excelsa</i>)	India
	<i>lineata</i> Fabricius, 1793: <u>2</u> , 375. (syn. <i>tullia</i>)	
	<i>luctuosa</i> Lieftinck, 1942: <u>18</u> , 480.	New Guinea
	<i>manadensis</i> Boisduval, 1835: <u>2</u> , 651. (ssp. of <i>stigmatizans</i>)	Celebes
	<i>martini</i> Krueger, 1903: <u>64</u> , 263. (ssp. of <i>ramburi</i>)	Kei Is.
	<i>nesaea</i> Ris, 1911: <u>13</u> , 565.	Celebes
	<i>nicobarica</i> Brauer, 1867: <u>17</u> , 12. (syn. <i>fluctuans</i>)	
	<i>obscura</i> Fraser, 1926: <u>8</u> , 472. (ssp. of <i>terminata</i>)	Karimondjawa (Java)

- 3.3.2.5.14. *oceanis* Lieftinck, 1948: 19, 297.
 (ssp. of *ramburi*) Engano
- oculata* Fabricius, 1775: 421.
 (syn. *stigmatizans*)
- oligoneura* Brauer, 1867: 17, 976. Papua to N.Australia
- pallidata* Rambur, 1842: 129.
 (syn. *fluctuans*)
- papuensis* Lieftinck, 1942: 18, 482. New Guinea
 (ssp. of *ramburi*)
- paradisea* Foerster, 1898: 21, 277.
 (syn. *decora*)
- pedestris* Selys, 1891: 30, 447.
 (syn. *tullia*)
- pseudosophronia* Brauer, 1867: 17, 15.
 (syn. *stigmatizans manadensis*)
- ramburi* Brauer, 1866: 16, 568. S.E.Asia
 (has ssp. *martini*; *oceanis* & *papuensis*)
- septentrionis* Foerster, 1904: 363.
 (syn. *intermedia degener*)
- sophronia* Drury, 1773: 2, 86.
 (syn. *fulvia*)
- stigmatizans* Fabricius, 1775: 421. S.E.Asia to Australia
 (= *elegans*; = *oculata*; has ssp. *bramina*,
 [= *diplopunctata*] & *manadensis* [= *innominata*;
 = *pseudosophronia*; = *unicolor*])
- sumatrana* Krueger, 1903: 64, 285.
 (syn. *fulvia*)
- terminata* Ris, 1911: 13, 569. S.E.Asia
 (has ssp. *obscura*)
- tullia* Drury, 1773: 2, 85. India to Malaya
 (= *equestris*; = *lineata*; = *pedestris*)
- unicolor* Selys, 1878: 301.
 (syn. *stigmatizans manadensis*)
- 3.3.2.5.15. *Nothodiplax Belle*, 1984
- dendrophila* Belle, 1984: 44, 6. Surinam
- 3.3.2.5.16. *Ophippus Navas*, 1916
- garbei* Navas, 2, 77. Brasil
- 3.3.2.5.17. *Pachydiplax Brauer*, 1868
- **longipennis* Burmeister, 1839: 2, 850, (*Libellula*).
 (= *socia*) N. & C.America
- socia* Rambur, 1842: 96.
 (syn. *longipennis*)
- 3.3.2.5.18. *Philonomon Foerster*, 1906
- erlangeri* Foerster, 1906: 71-72, 10.
 (syn. *luminans*)

- 3.3.2.5.18. *luminans* Karsch, 1893: 38, 22. W.Africa
 (= *erlangeri*)
- 3.3.2.5.19. *Pseudoleon* Kirby, 1889
 superbus Hagen, 1861: 148, (*Celithemis*). C.America to S.W.USA
- 3.3.2.5.20. *Rhodopygia* Kirby, 1889
 **cardinalis* Erichson, 1848: 3, 583, (*Libellula*). S.America
 (has form *colorata*)
 chloris Ris, 1911: 13, 611.
 (syn. *hollandi*)
 colorata Navas, 1923: 6, 9.
 (form of *cardinalis*) Colombia
 geijskesi Belle, 1964: 7, 52. Surinam
 hinei Calvert, 1906: 318. C. & S.America
 hollandi Calvert, 1907: 318.
 (= *chloris*) S.America
 pruinosa Buchholz, 1953: 39, 3. S.America
- 3.3.2.5.21. *Rhodothemis* Ris, 1911
 cruentata Hagen in Selys, 1878: 294.
 (syn. *rufa*)
 lieftincki Fraser, 1954: 7, 148. Australia
 mauritsi Lohmann, 1984: 13, 120. N.New Guinea
 nigripes Lohmann, 1984: 13, 123. Lesser Sunda & S.Moluccas
 oblita Rambur, 1842: 123.
 (syn. *rufa*)
 **rufa* Rambur, 1842: 71, (*Libellula*). S.E.Asia
 (= *cruentata*; = *oblita*)
- 3.3.2.5.22. *Sympetrum* Newman, 1833
 (= *Diplax* Charp., 1840;
 = *Thecadiplax* Selys, 1883;
 incl. *Tarnetrum* Needham & Fisher, 1936)
 ambiguum Rambur, 1842: 106. USA
 angustipennis Stephens, 1835: 5, 95.
 (syn. *sanguineum*)
 anomalum Needham, 1930: 11, 163. China
 arcticum Matsumura, 1911: 4, 7.
 (syn. *danae*)
 ardens McLachlan, 1854: 13, 429.
 (ssp. of *eroticum*) China
 armeniacum Selys, 1884: 28, 36.
 (form of *sanguineum*)
 assimilatum Uhler, 1857: 88.
 (form of *rubicundulum*)
 atripes Hagen, 1874: 7, 588.
 (syn. *costiferum*)
 aurantiacum Buechecker, 1876: 9.
 (syn. *flaveolum*)

- 3.3.2.5.22. *aureum* Scopoli, 1772: 120.
 (syn. *flaveolum*)
- azorense* Gardner, 1959: 1, 791. Azores
 (ssp. of *fonscolombei*)
- baccha* Selys, 1884: 28, 40. China
 (has ssp. *matutinum*)
- basale* Newman, 1833: 512. China
 (syn. *sanguineum*)
- bergi* Grigoriev, 1905: 5, 218. China
 (syn. *tibiale*)
- californicum* Walker, 1951: 62, 161. S.W.USA
 (ssp. of *occidentale*)
- cancellatum* Mueller, 1764: 61. America & Asia
 (syn. *danae*)
- chrysopteron* Selys, 1883: 27, 95. E.Asia
 (syn. *madidum*)
- circumnodale* Kolosov, 1925: 7, 8. E.Asia
 (form of *flaveolum*)
- commixtum* Selys, 1884: 28, 38. India
 (= *subpruinosum*)
- congoense* Aguesse, 1966: 28, 795. Congo
- cordulegaster* Selys, 1883: 27, 139. E.Asia
- corruptum* Hagen, 1861: 171. America & Asia
- costiferum* Hagen, 1861: 174. N.America
 (syn. *atrides*)
- croceolum* Selys, 1883: 27, 94. E.Asia
 (has form *fuscoatrum*)
- danae* Sulzer, 1776: 169. Holarctic
 (= *arcticum*; = *cancellatum*; = *pallidistigma*;
 = *scoticum*; = *veronense*; has form *matrix*)
- darwinianum* Selys, 1883: 27, 94. E.Asia
 (= *sinense*)
- decisum* Hagen, U.S.A.
 (ssp. of *rubicundulum*)
- decoloratum* Selys, 1884: 28, 35. S.W.Asia
 (has ssp. *sinaiticum*)
- depressiusculum* Selys, 1841: 244. Eurasia
 (= *genei*; = *tenerrimum*)
- dilatatum* Calvert, 1892: 19, 161. St.Helena
- doshidordzii* Belyshev, 1958: 37, 35. Mongolia
 (form of *striolatum*)
- durum* Barteneff, 1915: 1, 267. India
- elatum* Selys, 1872: 15, 27. Japan
 (ssp. of *pedemontanum*)
- eroticoides* Oguma, 1922: 99. Japan
 (syn. *parvulum*)

3.3.2.5.22.	<i>eroticum</i> Selys, 1883: <u>27</u> , 90. (= <i>fastigiatum</i> ; has ssp. <i>ardens</i>)	E.Asia
	<i>fasciatum</i> Walker, 1951: <u>62</u> , 162. (ssp. of <i>occidentale</i>)	W. of N.America
	<i>fastigiatum</i> Selys, 1883: <u>27</u> , 92. (syn. <i>eroticum</i> <i>eroticum</i>)	
	<i>fastigans</i> Needham, 1930: <u>11</u> , 165.	China
	<i>flaveolum</i> Linnaeus, 1758: <u>1</u> , 543. (= <i>aurantiacum</i> ; = <i>aurea</i> ; has forms <i>circummodale</i> ; <i>latreillei</i> ; <i>luteolum</i> & <i>pishpeki</i>)	Eurasia
	<i>flavicauda</i> Navas, 1932: <u>8</u> , 5. (syn. <i>kunkelii</i>)	
	<i>flavicosta</i> Hagen, 1875: <u>18</u> , 81. (syn. <i>madidum</i>)	
	<i>flavum</i> Bartenev, 1916: <u>1</u> , 317. (ssp. of <i>vulgatum</i>)	
	<i>fonscolombei</i> Selys, 1840: 29. (= <i>rhaeticum</i> ; has ssp. <i>azorense</i>)	Eurasia-Africa
	<i>frequens</i> Selys, 1883: <u>27</u> , 93.	Japan
	<i>fuscoastrum</i> Belyshev, 1964: <u>11</u> , 55.	E.USSR
	<i>fuscopterum</i> Belyshev, 1976: <u>18</u> , 167. (ssp. of <i>vulgatum</i>)	E.USSR
	<i>genei</i> Rambur, 1842: 103. (syn. <i>depressiusculum</i>)	
	<i>gilvum</i> Brauer, 1868: <u>18</u> , 722. (ssp. of <i>illotum</i>)	S.America
	<i>globulatum</i> Mueller, 1767: <u>3</u> , 129. (syn. <i>vulgatum</i>)	
	<i>gracile</i> Oguma, 1922: 97.	Japan
	<i>grandis</i> Bartenev, 1910: 15. (ssp. of <i>vulgatum</i>)	
	<i>haematoneura</i> Fraser, 1924: <u>8</u> , 70.	Kashmir
	<i>haritonovi</i> Borisov, 1983: <u>91</u> , 69.	Russia
	<i>himalayaicum</i> Navas, 1934: <u>17</u> , 31.	India
	<i>hypomelas</i> Selys, 1884: <u>28</u> , 37.	N.India
	<i>ignotum</i> Needham, 1930: <u>11</u> , 169.	China
	<i>illotum</i> Hagen, 1861: 172. (has ssp. <i>gilvum</i> & <i>virgulum</i>)	N. to S.America
	<i>imitans</i> Selys, 1886: 1/9. (syn. <i>vulgatum</i> <i>grandis</i>)	
	<i>imitoides</i> Bartenev, 1919: <u>1</u> , 369. (ssp. of <i>striolatum</i>)	E.Asia
	<i>infuscatum</i> Selys, 1883: <u>27</u> , 90.	Japan
	<i>internum</i> Montgomery, 1943: <u>75</u> , 57.	N.America

3.3.2.5.22.	kunckeli Selys, 1884: <u>28</u> , 39. (= flavicauda)	E.Asia
	kurentzovi Belyshev, 1956: <u>3</u> , 184. (ssp. of pedemontanum)	E.USSR
	kurile Belyshev, 1976: <u>18</u> , 167. (ssp. of striolatum)	Kurile Is.
	latreillei Selys, 1850: 35. (form of flaveolum)	
	luteolum Selys, 1850: 35. (form of flaveolum)	
	maculatum Oguma, 1922: 98.	Japan
	madidum Hagen, 1861: 174. (= chrysopteron; = flavicosta)	W. of N.America
	matrix Bartenev, 1915: <u>1</u> , 240. (form of danae)	Mongolia
	matutinum Ris, 1911: <u>13</u> , 666. (ssp. of baccha)	Japan
	medium Navas, 1916: <u>2</u> , 59.	Chile
	meridionale Selys, 1841: 245.	Europe
	morrisoni Ris, 1911: <u>13</u> , 687. (syn. pallipes)	
	navasi Lacroix, 1921: <u>61</u> , 378.	Ivory Coast
	nigrescens Lucas, 1912: <u>45</u> , 171.	N.W.Europe
	nigrifemur Selys, 1884: <u>28</u> , 35.	Madeira
	nigripes Charpentier, 1840: 77. (syn. sanguineum)	
	nigrocreatum Calvert, 1920: <u>31</u> , 255.	Costa Rica
	obtrusum Hagen, 1867: <u>28</u> , 95.	N.America
	occidentale Bartenev, 1915: <u>46</u> , 1. (has ssp. californicum & fasciatum)	W. of N.America
	orientale Selys, 1883: <u>27</u> , 140.	India, China
	ornatum Bartenev, 1930: <u>24</u> , 116. (syn. stroiatum imitoides)	
	pallidistigma Stephens, 1835: <u>6</u> , 94. (syn. danae)	
	pallidum Selys, 1887: <u>21</u> , 444. (ssp. of striolatum)	Turkestan
	pallipes Hagen, 1874: <u>7</u> , 589. (= morrisoni)	W. of N.America
	parvulum Bartenev, 1913: <u>17</u> , 294. (= eroticoides)	E.Asia
	pedemontanum Allioni, 1766: <u>3</u> , 194. (has ssp. elatum & kurentzovi)	S.Eurasia
	pishpeki Bartenev, 1929: <u>23</u> , 126. (form of flaveolum)	

3.3.2.5.22.	<i>rhaeticum</i> Bucecker, 1873: 9. (syn. <i>fonscolombei</i>)	
	<i>risi</i> Barteneff, 1914: <u>41</u> , 5. (has ssp. <i>yosico</i>)	E.Asia
	<i>roeseli</i> Curtis, 1838: <u>15</u> , 512. (syn. <i>sanguineum</i>)	
	<i>rubicundulum</i> Say, 1839: <u>8</u> , 26. (has ssp. <i>decisum</i> & form <i>assimilatum</i>)	N.America
	<i>ruficollis</i> Charpentier, 1840: 80. (syn. <i>striolatum</i>)	
	<i>ruptum</i> Needham, 1930: <u>11</u> , 160.	China
	<i>sanguineum</i> Mueller, 1764: 62. (= <i>angustipennis</i> ; = <i>basale</i> ; = <i>nigripes</i> ; = <i>roeseli</i> ; has forms <i>armeniacum</i> & <i>sykinia</i>)	Europe
	<i>scoticum</i> Donovan, 1811: <u>15</u> , 523. (syn. <i>danae</i>)	
	<i>semicinctum</i> Say, 1839: <u>8</u> , 27.	N.America
	<i>sinaiticum</i> Dumont, 1977: 83. (ssp. of <i>decoloratum</i>)	Sinai
	<i>sinense</i> Selys, 1893: <u>27</u> , 140. (syn. <i>darwinianum</i>)	
	<i>speciosum</i> Oguma, 1915: 142. (has ssp. <i>taiwanum</i>)	E.Asia
	<i>striolatum</i> Charpentier, 1840: 78. (= <i>ruficollis</i> ; has ssp. <i>imitoides</i> [= <i>ornatum</i>]; <i>kurile</i> ; & <i>pallidum</i> ; has form <i>doshidordzii</i>)	Europe
	<i>subpruinosum</i> Kirby, 1886: 325. (syn. <i>commixtum</i>)	
	<i>sykinia</i> Belyshev, 1955: <u>131</u> , 388. (form of <i>sanguineum</i>)	Siberia
	<i>taiwanum</i> Asahina, 1951: <u>19</u> , 21. (ssp. of <i>speciosum</i>)	Taiwan
	<i>tenerrimum</i> Bucecker, 1876: 9. (syn. <i>depressiusculum</i>)	
	<i>tibiale</i> Ris, 1897: <u>41</u> , 43. (= <i>bergi</i>)	E.Asia
	<i>uniforme</i> Selys, 1883: <u>27</u> , 92.	Japan
	<i>veronense</i> Charpentier, 1825: 48. (syn. <i>danae</i>)	
	<i>vicinum</i> Hagen, 1861: 175.	N.America
	<i>villosum</i> Ris, 1911: <u>13</u> , 695.	Chile
	<i>virgulum</i> Selys, 1884: <u>28</u> , 44. (ssp. of <i>illotum</i>)	C.America
	* <i>vulgatum</i> Linnaeus, 1758: 543, (Libellula). (= <i>globulatum</i> ; has ssp. <i>flavum</i> ; <i>fuscopterum</i> & <i>grandis</i> [= <i>imitans</i>])	Eurasia

- 3.3.2.5.22: *josico* Asahina, 1961: 1, 45.
(ssp. of *risi*) Japan
- 3.3.2.5.23. *Viridithemis* Fraser, 1960
viridula Fraser, 1960: 12, 71. Madagascar
- 3.3.2.5.24. *Ypirangathemis* Santos, 1945
calverti Santos, 1945: 16, 458. Brasil
- 3.3.2.6. *Trithemistinae*. Medium sized species. Arc between antenodals 1-2; sectors of arc briefly stalked; distal antenodal incomplete; trg in fore wing with costal side narrow; anal loop developed; accessory veins absent; base of trg in hind wing at level of arc. Nodus distal to centre of wing with apical wing area reduced.
- 3.3.2.6.1. *Atoconeura* Karsch, 1899
(= *Accaphila* Kirby, 1909)
aethiopica Kimmins, 1958: 7, 357.
(ssp. of *kenya*) Ethiopia
- **biordinata* Karsch, 1899: 25, 371.
(= *chirinda*; = *leopardina*; has ssp.
pseudeudoxia) Africa
- chirinda* Longfield, 1953: 86, 46.
(syn. *biordinata*)
- eodoxia* Kirby, 1909: 19, 60.
(= *extraordinata*) Africa
- extraordinata* Fraser, 1950: 19, 56.
(syn. *eodoxia*)
- kenya* Longfield, 1953: 86, 46.
(has ssp. *aethiopica*) Kenya
- leopardina* Foerster, 1906: 71-72, 38.
(syn. *biordinata*)
- pseudeudoxia* Longfield, 1953: 86, 46.
(ssp. of *biordinata*)
- 3.3.2.6.2. *Brechmorhoga* Kirby, 1894
catharina Karsch, 1890: 33, 364.
(syn. *nubecula*)
- crocosema* Ris, 1913: 15, 860.
(ssp. of *rapax*) C.America
- diplosema* Ris, 1913: 15, 860. Brasil
- eurysema* Ris, 1913: 15, 858.
(ssp. of *pertinax*)
- flavoannulata* Lacroix, 1920: 177. Peru
- flavopunctata* Martin, 1897: 66, 590. S.America
- grenadensis* Kirby, 1894: 14, 265.
(ssp. of *praecox*) Grenada
- innupta* Racenis, 1954: 14, 175. Venezuela
- mendax* Hagen, 1861: 164. C.America to S.USA

3.3.2.6.2.	nubecula Rambur, 1842: 122. (= catharina)	C. & S.America
	pertinax Hagen, 1861: 166. (= sallaei; has ssp. eurysema & peruviana)	C. & S.America
	peruviana Ris, 1913: <u>15</u> , 859. (ssp. of pertinax)	Peru
	postlobata Calvert, 1898: <u>28</u> , 314. (ssp. of praecox)	Mexico
	*praecox Hagen, 1861: 164. (has ssp. grenadensis & postlobata)	C. & S.America
	praedatrix Calvert, 1909: <u>6</u> , 250.	Brasil
	rapax Calvert, 1898: <u>28</u> , 316. (= Nothemis apollinaris Navas; has ssp. crocosema)	C. & S.America
	sallaei Selys, 1867: 11. (syn. pertinax)	
	tepeaca Calvert, 1906: 405.	Mexico
	travassosi Santos, 1946: <u>51</u> , 1.	Brasil
	vivax Calvert, 1906: 280.	C.America
3.3.2.6.3.	Dythemis Hagen, 1861	
	alcebiadesi Santos, 1945: <u>40</u> , 4.	Brasil
	broadwayi Kirby, 1894: <u>14</u> , 227. (syn. velox)	
	cannacroides Calvert, 1906: 272.	C. & S.America
	conjunction Rambur, 1842: 91. (syn. rufinervis)	
	constricta Calvert, 1898: <u>28</u> , 311.	Brasil
	fugax Hagen, 1861: 163.	S.USA
	maya Calvert, 1906: 275.	C.America
	multipunctata Kirby, 1894: <u>14</u> , 265.	C. & S.America
	nigra Martin, 1897: <u>66</u> , 590. (syn. velox)	
	nigrescens Calvert, 1899: <u>1</u> , 390.	Mexico - USA
	*rufinervis Burmeister, 1839: <u>2</u> , 850, (Libellula) (= conjunction; = vinosa)	Antilles to S.USA
	schubarti Santos, 1945: <u>40</u> , 5.	Brasil
	sterilis Hagen, 1861: 317.	C. & S.America
	tabida Hagen, 1861: 317. (syn. velox)	
	tesselata Rambur, 1842: 89. (syn. velox)	
	velox Hagen, 1861: 163. (= broadwayi; = nigra; = tabida; = tesselata)	C.America to S.USA

- 3.3.2.6.3. *vinosa* Scudder, 1866: 10, 192.
(syn. *rufinervis*)
- williamsoni* Ris, 1919: 16, 1208. Guiana
- 3.3.2.6.4. *Gynothemis Calvert*, 1909
- aurea* Navas, 1933: 29, 194. Brasil
- calliste* Ris, 1913: 15, 899. Brasil
- heteronycha* Calvert, 1909: 6, 251. S.America
- uniseta* Geijskes, 1972: 47, 402. Surinam
- **venipunctata* Calvert, 1909: 6, 256. Brasil
- 3.3.2.6.5. *Huonia Foerster*, 1903
- arborophila* Lieftinck, 1942: 18, 487.
(has ssp. *diminuta*) N. New Guinea
- aruana* Lieftinck, 1942: 18, 491. Aru Is.
- daphne* Lieftinck, 1953: 22, 198. Halmahera
- diminuta* Lieftinck, 1963: 25, 778.
(ssp. of *arborophila*) Louisiade Is.
- **epinephela* Foerster, 1903: 1, 517. E. New Guinea
- ferentina* Lieftinck, 1953: 22, 205. Halmahera
- hylophila* Lieftinck, 1942: 18, 489. C.N. New Guinea
- hypsoiphila* Lieftinck, 1963: 25, 775. S.W. New Guinea
- moerens* Lieftinck, 1963: 25, 772. Bismarck Arch.
- oreophila* Lieftinck, 1935: 17, 256. N. New Guinea
- rheophila* Lieftinck, 1935: 17, 254. Halmahera
- silvicola* Lieftinck, 1942: 18, 489. W. New Guinea
- thais* Lieftinck, 1953: 22, 206. Misool
- thalassophila* Foerster, 1903: 1, 520. E. New Guinea
- thisbe* Lieftinck, 1953: 22, 200. Misool
- 3.3.2.6.6. *Lanthanusa Ris*, 1912
- **cyclopica* Ris, 1912: 14, 747. N. New Guinea
- donaldi* Lieftinck, 1955: 33, 161. N.E. New Guinea
- lamberti* Lieftinck, 1942: 18, 497. C.N. New Guinea
- richardi* Lieftinck, 1942: 18, 494. C.N. New Guinea
- sufficiens* Lieftinck, 1955: 33, 157. d'Entrecasteaux Is.
- 3.3.2.6.7. *Macrothemis Hagen*, 1868
(= *Cendra Navas*, 1916)
- aurimaculata* Donnelly, 1984: 67, 169. C.America
- axillata* Navas, 1924: 18, 4.
(ssp. of *pumila*) Peru
- brevidens* Belle, 1983: 43, 156. Surinam
- capitata* Calvert, 1909: 6, 253. Brasil

3.3.2.6.7.	<i>cearana</i> Navas, 1916: <u>2</u> , 74. (syn. <i>griseofrons</i>)	
	* <i>celeno</i> Selys, 1857: 454, (<i>Libellula</i>)	Antilles
	<i>cydippe</i> Calvert, 1898: <u>28</u> , 332. (syn. <i>hemichlora</i>)	
	<i>cynthia</i> Ris, 1913: <u>15</u> , 891.	Brasil
	<i>declinata</i> Calvert, 1909: <u>6</u> , 254.	Argentina
	<i>delia</i> Ris, 1913: <u>15</u> , 892.	C. & S.America
	<i>extensa</i> Ris, 1913: <u>15</u> , 877.	C. & S.America
	<i>flavescens</i> Kirby, 1897: <u>19</u> , 600.	Brasil
	<i>griseofrons</i> Calvert, 1909: <u>6</u> , 255. (= <i>cearana</i>)	Brasil
	<i>guarauno</i> Racenis, 1957: <u>2</u> , 122.	Venezuela
	<i>hahneli</i> Ris, 1913: <u>15</u> , 876.	S.America
	<i>hemichlora</i> Burmeister, 1839: <u>2</u> , 849. (= <i>cydippe</i>)	C. & S.America
	<i>hosanai</i> Santos, 1867: <u>10</u> , 163.	Brasil
	<i>idalia</i> Ris, 1919: <u>16</u> , 1217.	Guiana
	<i>imitans</i> Karsch, 1890: <u>15</u> , 885. (has ssp. <i>leucozona</i>)	N. to S.America
	<i>inacuta</i> Calvert, 1898: <u>28</u> , 318.	N. to S.America
	<i>inequiunguis</i> Calvert, 1895: <u>4</u> , 533. (ssp. of <i>tessellata</i>)	C.America
	<i>lauriana</i> Ris, 1913: <u>15</u> , 882.	Brasil
	<i>leucozona</i> Ris, 1913: <u>15</u> , 887. (ssp. of <i>imitans</i>)	C. & S.America
	<i>lutea</i> Calvert, 1909: <u>6</u> , 255.	Brasil
	<i>marmorata</i> Hagen, 1868: <u>29</u> , 286. (= <i>tenuis</i> Karsch)	S.America
	<i>mortoni</i> Ris, 1913: <u>15</u> , 884.	Peru
	<i>musiva</i> Calvert, 1898: <u>28</u> , 326. (= <i>uniseries</i>)	C. & S.America
	<i>nobilis</i> Racenis, 1957: <u>2</u> , 119.	Venezuela
	<i>pleurosticta</i> Burmeister, 1839: <u>2</u> , 849.	Brasil
	<i>polyneura</i> Ris, 1913: <u>15</u> , 888.	S.America
	<i>pseudimitans</i> Calvert, 1898: <u>28</u> , 329.	C. & S.America
	<i>pumila</i> Karsch, 1890: <u>33</u> , 364. (has ssp. <i>axillata</i>)	Brasil
	<i>rochae</i> Navas, 1918: <u>4</u> , 1.	Brasil
	<i>rupicola</i> Racenis, 1957: <u>2</u> , 116.	Venezuela
	<i>tenuis</i> Hagen, 1868: 317.	S.America
	<i>tenuis</i> Karsch, 1890: <u>33</u> , 364. (syn. <i>marmorata</i>)	

- 3.3.2.6.7. *tessellata* Burmeister, 1839: 2, 849. C. & S.America
 (has ssp. *inequiunguis*; [= *vulgipes*])
- uniseries* Calvert, 1909: 6, 252.
 (syn. *musiva*)
- valida* Navas, 1916: 2, 60. Brasil
- vulgipes* Calvert, 1898: 28, 320.
 (syn. *tessellata inaequiunguis*)
- willinki* Fraser, 1947: 4, 457. Argentina
- 3.3.2.6.8. *Paltothemis* Karsch, 1890
- cyanosoma* Garrison, 1982: 58, 135. Mexico
- **lineatipes* Karsch, 1890: 33, 362. S.America to S.USA
 (= *ruseata*)
- ruseata* Calvert, 1895: 4, 526.
 (syn. *lineatipes*)
- 3.3.2.6.9. *Pseudagrionoptera* Ris, 1912
- diotima* Ris, 1912: 14, 748. Borneo
- 3.3.2.6.10. *Pseudothemis* Kirby, 1889
- jorina* Foerster, 1904: 21, 357. Malaya
- **zonata* Burmeister, 1839: 2, 859, (*Libellula*). China, Japan
- 3.3.2.6.11. *Scapanea* Kirby, 1890
- archboldi* Donnelly, 1970: 37, 12. Dominica
- **frontalis* Burmeister, 1839: 2, 857, (*Libellula*). Antilles
- 3.3.2.6.12. *Thalassothemis* Ris, 1909
- marchali* Rambur, 1842: 62, (*Libellula*). Mauritius
- 3.3.2.6.13. *Trithemis* Brauer, 1868
- (= *Helothemis* Karsch, 1899;
 = *Misthotus* Kirby, 1898; = *Stoechia* Karsch, 1898)
- aconita* Lieftinck, 1969: 14, 40. Congo
 (= *caruncula*)
- adelpha* Selys, 1878: 315.
 (syn. *aurora*)
- aenea* Pinhey, 1961: 96, 270. Congo
- aequalis* Lieftinck, 1969: 14, 44. Congo
 (? has ssp. *falconis*)
- africana* Brauer, 1867: 17, 814.
 (has ssp. *tropicana*) Sierra Leone
- ambigua* Kirby, 1905: 15, 193.
 (syn. *dorsalis*)
- annulata* Palisot de Beauvois, 1807: 69. Africa
 (= *obsoleta*; = *rubrinervis*; = *violacea*;
 has ssp. *haematina* [= *erythraea*; = *ramburi*]
 & *scortecii*)
- anomala* Pinhey, 1956: 4, 38. Rhodesia
- ardens* Gerstaecker, 1891: 9, 187.
 (ssp. of *kirbyi*; has form *aurantiaca*) Africa

- 3.3.2.6.13. *arteriosa* Burmeister, 1839: 2, 850. Africa & Middle East
 (= *conjuncta*; = *distincta*; = *rubella*;
 = *sanguinolenta*; = *stuhlmanni*; = *syriaca*;
 has ssp. *ennediensis*; has form *socotrensis*)
- atra* Pinhey, 1961: 166. Uganda
 (has form *leptosoma*; has ssp. *grouti*)
- aurantiaca* Pinhey, 1970: 11, 79. Africa
 (form of *kirbyi* *ardens* female)
- aureola* Ris, 1912: 14, 788.
 (syn. *hecate*)
- **aurora* Burmeister, 1839: 2, 859, (*Libellula*). S. & E. Asia
 (= *adelpha*; = *congener*; = *fraterna*;
 = *intermedia*; = *liturata*; = *soror*; = *yerburyi*)
- basitincta* Ris, 1912: 14, 784. Congo
- bifida* Pinhey, 1970: 11, 136. Zambia
- bredoii* Fraser, 1953: 48, 252. Congo
- brydeni* Pinhey, 1970: 11, 147. Zambia
- caruncula* Pinhey, 1970: 11, 141.
 (syn. *aconita*)
- comorensis* Fraser, 1959: 10, 1. Comoro Is.
 (form of *kirbyi* *ardens*)
- congener* Kirby, 1890: 18.
 (syn. *aurora*)
- congolica* Pinhey, 1970: 11, 144. Congo
- conjuncta* Selys, 1849: 3, 121.
 (syn. *arteriosa*)
- cypriaca* Selys, 1887: 31, 6.
 (syn. *festiva*)
- dejouxi* Pinhey, 1978: 8, 6. C.Africa
 (ssp. of *donaldsoni*)
- dichroa* Karsch, 1893: 38, 24. Togo
 (= *serva*)
- distanti* Kirby, 1898: 2, 236.
 (syn. *dorsalis*)
- distincta* Rambur, 1842: 85.
 (syn. *arteriosa*)
- donaldsoni* Calvert, 1899: 235. Africa
 (= *erlangeri*; has ssp. *dejouxi*)
- dorsalis* Rambur, 1842: 89. C. E & S.Africa
 (= *ambigua*; = *distanti*; = *marshalli*)
- dryas* Selys, 1891: 30, 465.
 (syn. *pallidinervis*)
- ellenbecki* Foerster, 1906: 59, 314. Africa
- ennediensis* Pinhey, 1970: 11, 66. C.Africa
 (ssp. of *arteriosa*)
- erlangeri* Foerster, 1906: 59, 312
 (syn. *donaldsoni*)

- 3.3.2.6.13. *erythraea* Brauer, 1867: 17, 814.
 (syn. *annulata haematina*)
- falconis* Pinhey, 1970: 11, 113. Botswana
 (? ssp. of *aequalis*)
- festiva* Rambur, 1842: 92. Asia
 (= *cypriaca*; = *infernalis*; = *proserpina*)
- fraterna* Albarda, 1881: 4.
 (syn. *aurora*)
- fumosa* Pinhey, 1962: 25, 48. Congo
- furva* Karsch, 1899: 25, 370. Africa
 (= *risi*)
- grouti* Pinhey, 1961; 96, 269. Cameroons
 (ssp. of *atra*)
- haematina* Rambur, 1842: 84. Sicily
 (ssp. of *annulata*)
- hartwigi* Pinhey, 1970: 11, 58. Fernando Po
- hecate* Ris, 1912: 14, 787. Africa
 (= *aureola*)
- hova* Martin, 1908: 43, 661. W.Africa
- imitata* Pinhey, 1961: 164. Congo
- infernalis* Brauer, 1868: 15, 507.
 (syn. *festiva*)
- insuffusa* Pinhey, 1970: 11, 72. Zambia
 (ssp. of *monardi*)
- intermedia* Kirby, 1886: 327.
 (syn. *aurora*)
- jacksoni* Pinhey, 1970: 11, 67. Ivory Coast
- kalula* Kirby, 1900: 6, 69. Sierra Leone
- kirbyi* Selys, 1891: 30, 465.
 (has ssp. *ardens* [has forms
 aurantiaca & *comorensis*])
- lateralis* Burmeister, 1839: 2, 850.
- leptosoma* Pinhey, 1966: 45, 64.
 (form of *atra*)
- lilacina* Foerster, 1899: 43, 63. Lesser Sunda Is.
- liturata* Selys, 1891: 30, 464.
 (syn. *aurora*)
- maia* Ris, 1915: 4, 145.
 (ssp. of *selika*)
- marshalli* Kirby, 1905: 15, 192.
 (syn. *dorsalis*)
- melanisticta* Pinhey, 1970: 11, 75. Mwinilunga
 (form of *pluvialis*)
- monardi* Ris, 1931: 38, 108.
 (has ssp. *insuffusa*) Angola

- 3.3.2.6.13. *nigra* Longfield, 1936: 85, 492. Principe Is.
nuptialis Karsch, 1894: 39, 13. Cameroons
obsoleta Rambur, 1842: 83.
 (syn. *annulata*)
pallidinervis Kirby, 1889: 12, 327. S.E.Asia
 (= *dryas*)
parasticta Pinhey, 1956: 4, 35. Rhodesia
persephone Ris, 1912: 14, 768. Madagascar
pluvialis Foerster, 1906: 71-72, 30. Usambara
 (has form *melanisticata*)
proserpina Selys, 1878: 294.
 (syn. *festiva*)
pruinata Karsch, 1899: 25, 369. Tropical Africa
ramburi Kirby, 1890: 19.
 (syn. *annulata haematina*)
risi Longfield, 1936: 85, 490.
 (syn. *furva*)
rubella Brulle, 1844: 82.
 (syn. *arteriosa*)
ruberinervis Selys, 1841: 244.
 (syn. *annulata*)
sanguinolenta Foerster, 1906: 59, 311.
 (syn. *arteriosa*)
scortecii Nielsen, 1935: 74, 375.
 (ssp. of *annulata*)
selika Selys, 1869: 25, 16. Madagascar
 (= *lateralis*; has ssp. *maia*)
serva Kirby, 1900: 6, 69.
 (syn. *dichroa*)
socotrensis Pinhey, 1970: 11, 65. Socotra
 (form of *arteriosa*)
soror Brauer, 1868: 18, 179.
 (syn. *aurora*)
stictica Burmeister, 1839: 2, 850. Africa
 (has form *parasticta*)
stuhlmanni Gerstaeker, 1891: 9, 188.
 (syn. *arteriosa*)
syriaca Selys, 1887: 31, 23.
 (syn. *arteriosa*)
tropicana Fraser, 1953: 48, 252. Congo
 (ssp. of *africana*)
violacea Sjoestedt, 1899: 25, 13.
 (syn. *annulata*)
wernerii Ris, 1912: 14, 765. Uganda
yerburyi Kirby, 1890: 18.
 (syn. *aurora*)

Section 3

3.3.2.7. Onychothemistinae. Medium sized species. Venation advanced libelluline, antenodals numerous, the last incomplete; thorax metallic green or copper; claw hooks absent.

3.3.2.7.1. Onychothemis Brauer, 1868

*abnormis Brauer, 1868: <u>18</u> , 170.	S.E.Asia
celebensis Ris, 1912: <u>14</u> , 836. (ssp. of culminicola)	Celebes
ceylanica Ris, 1912: <u>14</u> , 835. (ssp. of tonkinensis)	Ceylon
coccinea Lieftinck, 1953: <u>22</u> , 264.	Malaysia
culminicola Foerster, 1904: <u>21</u> , 362. (has ssp. celebensis)	S.E.Asia
notabilis Kirby, 1905: <u>15</u> , 277. (syn. tonkinensis)	
siamensis Fraser, 1932: <u>8</u> , 284. (ssp. of tonkinensis)	Siam
testacea Laidlaw, 1902: <u>1</u> , 75.	Malaya
tonkinensis Martin, 1904: <u>14</u> , 834. (= notabilis; has ssp. ceylanica & siamensis)	China

3.3.2.8. Palpopleurinae (Diastatopidinae). Small to medium sized forms with coloured wings. Arc between antenodals 1-2; distal antenodal incomplete. Broad wings; costal field expanded in fore wing with strongly convex proximal border.

3.3.2.8.1. Diastatops Rambur, 1842

dimidiata Linnaeus, 1758: <u>1</u> , 555. (= marginata)	S.America
emilia Montgomery, 1940: <u>3</u> , 242.	Brasil
estherae Montgomery, 1940: <u>3</u> , 247.	Brasil
fuliginea Rambur, 1842: 137. (syn. obscura)	
intensa Montgomery, 1940: <u>3</u> , 243.	Brasil
marginata De Geer, 1773: 558. (syn. dimidiata)	
maxima Montgomery, 1940: <u>3</u> , 255.	Brasil
nigra Montgomery, 1940: <u>3</u> , 253.	Brasil
*obscura Fabricius, 1775: 422. (= fuliginia; = pullata; = tincta)	S.America
pullata Burmeister, 1839: <u>2</u> , 854, (Libellula). (syn. obscura)	
tincta Rambur, 1842: 135. (syn. obscura)	

3.3.2.8.2. Palpopleura Rambur, 1842

(= Hemistigmoides Calvert, 1899)

- 3.3.2.8.2. *albifrons* Legrand, 1979: 1, 179. Gabon
- callista* Gruenberg, 1902: 236.
(syn. *jucunda*)
- confusa* Rambur, 1842: 133.
(syn. *vestita*)
- deceptor* Calvert, 1899: 241. Africa
- denticulata* Palisot de Beauvois, 1805: 2.
(syn. *lucia*)
- graffei* Martin, 1912: 42, 93.
(form of *jucunda*) Ivory Coast
- jucunda* Rambur, 1842: 134.
(= *callista*; has ssp. *radiata*
& form *graffei*) Africa
- lucia* Drury, 1773: 2, 82.
(= *denticulata*; = *marginata*; = *semivitrea*;
= *sinuata*; = *variegata*; has form *portia*) Africa
- marginata* Fabricius, 1781: 1, 523.
(syn. *lucia*)
- minuta* Fabricius, 1787: 1, 339.
(syn. *sexmaculata*)
- octomaculata* Fraser, 1935: 10, 26.
(ssp. of *sexmaculata*) N.India
- portia* Drury, 1773: 2, 86.
(form of *lucia*) W.Africa
- radiata* Pinhey, 1982: 252, 25.
(ssp. of *jucunda*) Ethiopia
- semivitrea* Burmeister, 1839: 2, 861.
(syn. *lucia*)
- sexmaculata* Fabricius, 1787: 1, 338.
(= *minuta*; has ssp. *octomaculata*) E.Asia
- sinuata* Fabricius, 1793: 2, 378.
(syn. *lucia*)
- variegata* Fabricius, 1781: 1, 524.
(syn. *lucia*)
- **vestita* Rambur, 1842: 132.
(= *confusa*) Madagascar
- 3.3.2.8.3. *Perithemis* Hagen, 1861
- austeni* Kirby, 1897: 19, 602.
(syn. *bella*)
- bella* Kirby, 1889: 12, 324. S.America
(= *austeni*)
- californica* Martin, 1900: 104.
(syn. *intensa*)
- chlora* Rambur, 1842: 125.
(syn. *tenera*)
- cornelia* Ris, 1910: 11, 343. S.America

- 3.3.2.8.3. *domitia* Drury, 1773: 2, 83. Antilles - S.America
 (= *metella*; = *pocahontas*; has form *iris*)
- electra* Ris, 1930: 21, 33. C. & S.America
- icteroptera* Selys, 1857: 190. S.America
- intensa* Kirby, 1889: 12, 326. Mexico - S.USA
 (= *californica*)
- iris* Hagen, 1861: 185.
 (form of *domitia*)
- lais* Perty, 1834: 125. S.America
 (= *naias*)
- metella* Selys, 1857: 451.
 (syn. *domitia*)
- mooma* Kirby, 1889: 4, 233. Antilles - S.America
 (= *octoxantha*)
- naias* Ris, 1910: 11, 344.
 (syn. *lais*)
- octoxantha* Ris, 1910: 11, 336.
 (syn. *mooma*)
- pocahontas* Kirby, 1889: 4, 232.
 (syn. *domitia*)
- rubita* Dunkle, 1982: 11, 33. Ecuador
- seminole* Calvert, 1907: 316. S.E.USA
 (ssp. of *tenera*)
- **tenera* Say, 1839: 8, 31, (*Libellula*). N. & C.America
 (= *chloris*; = *tenuicincta*; has ssp. *seminole*)
- tenuicincta* Say, 1839: 8, 31.
 (syn. *tenera*)
- thais* Kirby, 1889: 12, 324. C. & S.America
- waltheri* Ris, 1910: 11, 340. Argentina
- 3.3.2.8.4. *Zenithoptera* Selys, 1869
 (= *Potamothemis* Kirby, 1889)
- americana* Linnaeus, 1758: 545.
 (syn. *fasciata*)
- **fasciata* Linnaeus, 1758: 545, (*Libellula*). C. & S.America
 (= *americana*; = *violacea*)
- lanei* Santos, 1941: 1, 207. Brasil
- viola* Ris, 1910: 11, 316. S.America
- violacea* De Geer, 1773: 559.
 (syn. *fasciata*)

3.3.2.9. Trameinae. All advanced venational features: arc at level of antenodals 1-2; distal antenodals incomplete; trg in fore wing tall with short costal side; broad hind wing basal area with complete anal loop; no accessory veins to bridge or in cubital space; trg in hind wing at level of arc. Radial and median planates with character of longitudinal veins and having 2-3 rows of cells between. Broadly confluent eyes.

3.3.2.9.(1). Rhyothemistini. Medium sized with broad wings having rounded tips, dense venation and dark metallic colour. Riv and MA curve evenly down to wing border. Abdomen about half length of wing span.

- 3.3.2.9.(1).1. *Rhyothemis* Hagen, 1867
 (incl. *Compsothemis* Karsch, 1889)
- | | |
|--|------------------|
| <i>aequalis</i> Kimmins, 1936: <u>18</u> , 78.
(ssp. of <i>phyllis</i>) | New Hebrides |
| <i>alcestis</i> Tillyard, 1906: <u>31</u> , 482.
(syn. <i>braganza</i>) | |
| <i>apicalis</i> Kirby, 1889: <u>12</u> , 319.
(ssp. of <i>phyllis</i>) | Melanesia |
| <i>armstrongi</i> Fraser, 1956: <u>92</u> , 328.
(syn. <i>regia chalcoptilon</i>) | |
| <i>arria</i> Drury, 1773: <u>2</u> , 48.
(ssp. of <i>variegata</i> ; [= <i>splendida</i>]) | E.Asia |
| <i>aterrima</i> Selys, 1891: <u>30</u> , 445. | S.E.Asia |
| <i>beatricis</i> Lieftinck, 1942: <u>18</u> , 509. Papua to N.Australia
(ssp. of <i>phyllis</i>) | |
| <i>bipartita</i> Tillyard, 1906: <u>31</u> , 483.
(syn. <i>triangularis</i>) | |
| <i>braganza</i> Karsch, 1890: <u>33</u> , 354.
(= <i>alcestis</i>) | N.Australia |
| <i>celestina</i> Olivier, 1729: <u>7</u> , 569.
(syn. <i>variegata</i>) | |
| <i>chalcoptilon</i> Brauer, 1867: <u>17</u> , 25.
(ssp. of <i>regia</i>) | Samoa |
| <i>chloe</i> Kirby, 1894: <u>14</u> , 16.
(ssp. of <i>phyllis</i>) | Papua-Queensland |
| <i>cognata</i> Rambur, 1842: 41.
(= <i>regalis</i>) | Madagascar |
| <i>cuprina</i> Kirby, 1889: <u>12</u> , 320.
(syn. <i>notata fenestrina</i>) | |
| <i>curiosa</i> Selys, 1889: <u>27</u> , 451.
(syn. <i>obsoletescens</i>) | |
| <i>dispar</i> Brauer, 1867: <u>17</u> , 815.
(ssp. of <i>phyllis</i>) | Fiji |
| <i>disparata</i> Rambur, 1842: 40.
(syn. <i>semihyalina</i>) | |
| <i>ducalis</i> Kirby, 1898: <u>2</u> , 231.
(syn. <i>semihyalina separata</i>) | |
| <i>exul</i> Ris, 1913: <u>15</u> , 951.
(ssp. of <i>regia</i>) | Kei Is. |
| <i>fenestrina</i> Rambur, 1842: 40.
(ssp. of <i>notata</i>) | Africa |
| <i>fulgens</i> Kirby, 1889: <u>12</u> , 322. | Malaysia |
| <i>fuliginosa</i> Selys, 1883: <u>27</u> , 88.
(has form <i>noshime</i>) | E.Asia, Japan |

- 3.3.2.9.(1).1. *graphiptera* Rambur, 1842: 45. Papua-Australasia
hemihyalina Hagen in Selys, 1850: 305.
 (syn. *semityalina*)
- histrio* Fabricius, 1787: 2, 237.
 (syn. *variegata*)
- hurleyi* Tillyard, 1926: 15, 165. New Guinea
- imperatrix* Selys, 1887: 31, 53. E.Asia
 (ssp. of *variegata*)
- indica* Fabricius, 1781: 1, 521.
 (syn. *variegata*)
- irene* Lieftinck, 1942: 18, 515. N. New Guinea
 (ssp. of *princeps*)
- ixias* Lieftinck, 1953: 64, 221. Lesser Sunda Is.
 (ssp. of *phyllis*)
- juliana* Lieftinck, 1942: 18, 517. N. New Guinea
 (ssp. of *regia*)
- lankana* Kirby, 1893: 24, 549.
 (syn. *triangularis*)
- marcia* Drury, 1773: 2, 83.
 (syn. *variegata*)
- marginata* Ris, 1913: 15, 945. Bismarck Arch.
 (ssp. of *phyllis*)
- mariposa* Ris, 1913: 15, 961. S.Africa
- murcia* Fabricius, 1793: 2, 376.
 (syn. *variegata*)
- nebulosa* Oguma, 1922: 97.
 (syn. *variegata imperatrix*)
- noshime* Asahina, 1982: 31, 65. Japan
 (form of *fuliginosa*)
- notata* Fabricius, 1781: 2, 390. W.Africa
 (has ssp. *fenestrina* [= *cuprina*])
- obscura* Brauer, 1868: 18, 715. Moluccas
 (ssp. of *phyllis*)
- obsoletes* Kirby, 1889: 12, 321. S.E.Asia
 (= *curiosa*; = *transversa*)
- **phyllis* Sulzer, 1776: 169, (Libellula). Asia, Australia,
 (= *vittata*; has ssp. *aqualis*; Oceania
apicalis; *beaticis*; *chloe*; *dispar*;
ixias; *marginata*; *obscura*; *snelleni*;
subphyllis; *vitellina*)
- plutonia* Selys, 1883: 27, 89. S.E.Asia
- pretiosa* Selys, 1878: 299. Moluccas
 (ssp. of *regia*)
- princeps* Kirby, 1894: 14, 16. Papua-Australia
 (has ssp. *irene*)
- pygmaea* Brauer, 1867: 17, 297. New Guinea
 (? = *vidua*)

- 3.3.2.9.(1).1. *regalis* Karsch, 1889: 15, 276.
 (syn. *cognata*)
- regia* Brauer, 1867: 17, 24. Sumatra to Samoa
 (has ssp. *chalcoptilon* [= *armstrongi*];
exul; *juliana*; *pretiosa* & *thisbe*)
- resplendens* Selys, 1878: 300. New Guinea-Queensland
 (= *turneri*)
- semihyalina* Desjardins, 1832: 1. W.Asia
 (= *disparata*; = *hemihyalina*; has form
separata [= *ducalis*; = *syriaca*];
 has ssp. *hulae*)
- separata* Selys, 1849: 3, 115. Africa
 (form of *semihyalina*, [= *ducalis*; = *syriaca*])
- severini* Ris, 1913: 15, 948. Indochina
- snelleni* Selys, 1878: 299. Celebes
 (ssp. of *phyllis*)
- splendens* Fraser, 1955: 52, 22. Congo
- splendida* Rambur, 1842: 43.
 (syn. *variegata arria*)
- subphyllis* Selys, 1882: 11. Luzon
 (ssp. of *phyllis*)
- syriaca* Selys, 1849: 3, 116.
 (syn. *semihyalina separata*)
- thisbe* Lieftinck, 1953: 64, 223. Sumba, Buru
 (ssp. of *regia*)
- transversa* Selys, 1889: 27, 452.
 (syn. *obsolescens*)
- triangularis* Kirby, 1889: 12, 319. Malaysia
 (= *bipartita*; = *lankana*)
- turneri* Kirby, 1894: 14, 17.
 (syn. *resplendens*)
- variegata* Linnaeus, 1763: 6, 412. E.Asia
 (= *celestina*; = *histrio*; = *indica*;
 = *marcia*; = *murcia*; has ssp. *arria*,
 [= *splendida*]; *imperatrix*, [= *nebulosa*])
- vidua* Selys, 1878: 293. Borneo
 (syn. *pygmaea* ?)
- vitellina* Brauer, 1868: 18, 184. Palau Is.
 (ssp. of *phyllis*)
- vittata* Weber, 1801: 105.
 (syn. *phyllis*)

3.3.2.9.(2). *Trameini*. Medium to large forms. Sustained long distance flight characteristics; pterostigma small; hind wing very broad towards base and often coloured over basal lobe; wing tips pointed. Abdomen shorter than wing span; relatively small thorax.

3.3.2.9.(2).1. *Antidythemis* Kirby, 1889

nigra Buchholz, 1952: 28, 5. Venezuela

- 3.3.2.9.(2).1. **trameiformis* Kirby, 1889: 12, 268. Brasil
- 3.3.2.9.(2).2. *Camacinia* Kirby, 1889
 *gigantea Brauer, 1867: 17, 8, (Neurothemis). S.E.Asia
 harmandi Martin, 1900: 103.
 (syn. *harterti*)
 harterti Karsch, 1890: 33, 359. Malaysia
 (syn. *harmandi*)
 othello Tillyard, 1908: 33, 639. S.E.Asia to N.Australia
- 3.3.2.9.(2).3. *Hydrobasileus* Kirby, 1889
 brevistylus Brauer, 1866: 83, 104. Moluccas to N.Australia
 (= *papuanus*)
 croceus Brauer, 1867: 17, 813. S.E.Asia
 (= *extraneus*)
 extraneus Kirby, 1894: 24, 7.
 (syn. *croceus*)
 papuanus Foerster, 1903: 528.
 (syn. *brevistylus*)
 **vittatus* Kirby, 1889: 12, 314. Moluccas - Celebes
- 3.3.2.9.(2).4. *Idiataphe* Cowley, 1934
 (= *Ephidatia* Kirby, 1889)
 amazonica Kirby, 1889: 12, 331. C. & S.America
 batesi Ris, 1913: 16, 1015. S.America
 cubensis Scudder, 1866: 10, 190. S. & C.America
 (= *specularis*)
 **longipes* Hagen, 1861: 169. S.America
 specularis Hagen, 1867: 11, 292.
 (syn. *cubensis*)
- 3.3.2.9.(2).5. *Miathyria* Kirby, 1889
 (incl. *Nothofixis* Navas, 1916)
 laxa Navas, 1916: 18, 16.
 (syn. *simplex*)
 marcella Selys, 1857: 452. S.America to S.USA
 pusilla Kirby, 1889: 12, 269.
 (syn. *simplex*)
 **simplex* Rambur, 1842: 121, (Libellula). C. & S.America
 (= *laxa*, = *pusilla*)
- 3.3.2.9.(2).6. *Pantala* Hagen, 1861
 analis Burmeister, 1839: 2, 852.
 (syn. *flavescens*)
 **flavescens* Fabricius, 1798: 285, (Libellula). Tropics
 (= *analis*; = *terminalis*; = *viridula*)
 huanacina Foerster, 1909: 62, 229.
 (syn. *hymenaea*)
 hymenaea Say, 1839: 8, 19. N.C. & S.America
 (= *huanacina*)

- 3.3.2.9.(2).6. *terminalis* Burmeister, 1839: 2, 852.
 (syn. *flavescens*)

viridula Palisot de Beauvois, 1805: 69.
 (syn. *flavescens*)

3.3.2.9.(2).7. *Pseudotramea* Fraser, 1920
 prateri Fraser, 1920: 27, 149. India

3.3.2.9.(2).8. *Tauriphila* Kirby, 1889
 argo Hagen, 1869: 30, 263. C. & S.America
 (= *nycterus*)

**australis* Hagen, 1867: 28, 229, (Tramea).
 (= *iphigenia*) S.America to S.USA

azteca Calvert, 1906: 297. C.America

iphigenia Hagen, 1867: 28, 230.
 (syn. *australis*)

nycterus Karsch, 1890: 33, 351.
 (syn. *argo*)

risi Martin, 1896: 9, 239. S.America

xiphea Ris, 1913: 16, 1004. S.America

3.3.2.9.(2).9. *Tramea* Hagen, 1881
 (= *Trapezostigma* Hagen, 1849)

abdominalis Rambur, 1842: 37. N. to S.America
 (= *basalis* Burm.)

aquila Lieftinck, 1942: 18, 530. N. New Guinea

basalis Burmeister, 1839: 2, 852.
 (syn. *abdominalis* Ramb.)

basalis Hagen, 1875: 18, 83. C. & S.America

basilaris Palisot de Beauvois, 1817: 10, 171. India
 (= *chinensis* Burm.; has ssp. *burmeisteri*)

binotata Rambur, 1842: 36. S.America to S.USA
 (= *brasiliiana*; = *longicauda*;
 = *paulina*; = *subbinotata*; = *walkeri*)

biroi Foerster, 1898: 21, 273.
 (syn. *erybia*)

brasiliiana Brauer, 1867: 17, 812.
 (syn. *binotata*)

burmeisteri Kirby, 1889: 12, 316. India
 (ssp. of *basilaris*)

calverti Muttkowski, 1910: 1, 179. N. to S.America

**carolina* Linnaeus, 1763: 6, 411, (Libellula). N.America

chinensis Burmeister, 1839: 2, 852.
 (syn. *basilaris*)

chinensis De Geer, 1773: 3, 556.
 (syn. *virginia*)

continentalis Selys, 1878: 3, 299. E.African area

- 3.3.2.9.(2).9. *cophysa* Hagen, 1867: 28, 226. S.America to S.USA
 (has ssp. *darwini*)
- darwini* Kirby, 1889: 12, 315. Galapagos
 (ssp. of *cophysa*)
- uryale* Selys, 1878: 293. N. Celebes
 (ssp. of *transmarina*)
- urybia* Selys, 1878: 298. Malaysia to E.Australia
 (= *biroi*; = *petaurina*; has ssp. *monticola*)
- incerta* Rambur, 1842: 34.
 (syn. *limbata*)
- insularis* Hagen, 1861: 146. Antilles
- intersecta* Lieftinck, 1975: 9, 162. New Caledonia
 (ssp. of *transmarina*)
- lacerata* Hagen, 1861: 145. C. & N.America/Hawaii
- liberata* Lieftinck, 1949: 20, 371. Solomon Is.
 (has ssp. *lieftincki*)
- lieftincki* Watson, 1967: 10, 396. New Guinea
 (ssp. of *liberata*)
- limbata* Desjardins, 1832: 1. Mauritius
 (= *incerta*; = *mauriciiana*; = *similata*;
 = *stylata*; = *translucida*)
- loewi* Brauer, 1866: 16, 563. Papua-Australasia
 (= *tillyardi*)
- longicauda* Brauer, 1867: 17, 812.
 (syn. *binotata*)
- madagascariensis* Kirby, 1889: 12, 317. Madagascar
- mauriciana* Rambur, 1842: 34.
 (syn. *limbata*)
- minuta* De Marmels & Racenis, 1982: 11, 123. S.America
- monticola* Lieftinck, 1942: 18, 537. C.W. New Guinea
 (ssp. of *urybia*)
- onusta* Hagen, 1861: 144. C. & N.America
- paolina* Foerster, 1910: 29, 52.
 (syn. *binotata*)
- petaurina* Foerster, 1909: 62, 230.
 (syn. *urybia*)
- phaeoneura* Lieftinck, 1953: 22, 268. Borneo
- propinquua* Lieftinck, 1942: 18, 539. New Guinea to
 (ssp. of *transmarina*) Queensland
- rosenbergi* Brauer, 1866: 16, 564. Celebes
- rustica* De Marmels & Racenis, 1982: 11, 114. S.America
- samoensis* Brauer, 1867: 17, 22. Samoa
 (ssp. of *transmarina*)
- similata* Rambur, 1842: 36.
 (syn. *limbata*)

- 3.3.2.9.(2).9. *stenoloba* Watson, 1962: 7, 15. N. & W.Australasia
stylata Rambur, 1842: 37.
 (syn. *limbata*)
subbinotata Brauer, 1867: 17, 811.
 (syn. *binotata*)
tillyardi Lieftinck, 1942: 18, 528.
 (syn. *loewi*)
translucida Kirby, 1889: 12, 315.
 (syn. *limbata*)
transmarina Brauer, 1867: 17, 21. W.Pacific area
 (has ssp. *euryale*; *intersecta*;
propinquua; *samoensis* & *yayeyamana*)
virginia Rambur, 1842: 33. S.E.Asia
 (= *chinensis* De Geer)
walkeri Whitehouse, 1943: 3, 42.
 (syn. *binotata*)
yayeyamana Asahina, 1964: 32, 306. Ryukyu Is.
 (ssp. of *transmarina*)

3.3.2.9.(3). *Zyxommatini*. Medium sized. No archaic venational features;
 anal loop open at apex. Crepuscular.

3.3.2.9.(3).1. *Parazyxomma* Pinhey, 1961

flavicans Martin, 1908: 43, 657, (*Zyxomma*). W.Africa

3.3.2.9.(3).2. *Tholymis* Hagen, 1867

bimaculata Desjardins, 1835: 4, 4.
 (syn. *tillarga*)

citrina Hagen, 1867: 11, 291. New World Tropics

pallida Palisot de Beauvois, 1817: 10, 171.
 (form of *tillarga*?)

paratillarga Singh & Prasad, 1980: 26, 65. India

**tillarga* Fabricius, 1798: 285, (*Libellula*). Old World
 (=*bimaculata*; has form *pallida* ?) Tropics

3.3.2.9.(3).3. *Zyxomma* Rambur, 1842

atlanticum Selys, 1889: 27, 449. W.Africa

elgneri Ris, 1913: 15, 905. Papua-N.Australia

multinerve Carpenter, 1897: 8, 435. Moluccas - New Guinea

obtusum Albarda, 1881: 1, 1. S.E.Asia

**petiolatum* Rambur, 1842: 30. S.E.Asia
 (= *sechellarum*)

sechellarum Martin, 1896: 9, 103.
 (syn. *petiolatum*)

3.3.2.9.(3).4. *Zyxommoides* Martin, 1921

breviventre Martin, 1921: 90, 94. Laos

3.3.2.10. *Urothemistinae* (*Macrodiplacinae*). Medium size. Frons protruding.
 Open venation; few antenodals (5 in hind wing); primary antenodals persist

(weakly); sectors of arc diverge from origin; anal trg absent in male; base of trg in hind wing at level of arc; hind wings broad and anal loop well developed.

- 3.3.2.10.1. *Aethriamanta* Kirby, 1889
 (incl. *Dicranopyga* Karsch, 1890)
- aethra Ris, 1912: 65, 166. Malaysia
- *brevipennis Rambur, 1842: 114, (*Libellula*) S.E.Asia
 (has ssp. *circumsignata*, [= *circumscripta*];
 & *subsignata*)
- circumscripta* Martin, 1901: 19, 224.
 (syn. *brevipennis circumsignata*)
- circumsignata* Selys, 1897: 41, 83. E. & N.Australia
 (ssp. of *brevipennis*)
- gracilis* Brauer, 1878: 77, 195. Malaysia
 (= *melanops*)
- melanops* Selys, 1889: 27, 457.
 (syn. *gracilis*)
- mundula* Karsch, 1890: 33, 283.
 (syn. *rezia*)
- nymphaeae* Lieftinck, 1949: 5, 233. New Guinea
- rezia* Kirby, 1889: 12, 298. Madagascar
 (= *mundula*)
- subsignata* Selys, 1897: 41, 84. Moluccas
 (ssp. of *brevipennis*)
- 3.3.2.10.2. *Macrodiplax* Brauer, 1868
- balteata* Hagen, 1861: 140. S.America to S.USA
- **cora* Brauer, 1867: 17, 20, (*Diplax*). S.Asia to Oceania
 (= *lycoris*; = *nigrilabris*; = *vittata*)
- lycoris* Selys, 1872: 23, 176.
 (syn. *cora*)
- nigrilabris* Selys, 1872: 23, 176.
 (syn. *cora*)
- vittata* Kirby, 1893: 24, 552.
 (syn. *cora*)
- 3.3.2.10.3. *Selysiothemis* Ris, 1897
- advena* Selys, 1878: 4, 5.
 (syn. *nigra*)
- **nigra* Van der Linden, 1825: 16, (*Libellula*). Mediterranean
- (= *advena*)
- 3.3.2.10.4. *Urothemis* Brauer, 1868
- abbotti* Laidlaw, 1927: 70, 1. Malaysia
- aethiopica* Nielsen, 1957: 69, 33. Somalia
 (ssp. of *signata*)
- aliena* Selys, 1878: 305. New Guinea - N.Australia
 (ssp. of *signata*)

- 3.3.2.10.4. *assignata* Selys, 1872: 23, 176. Africa
 (= *designata*; = *madagascariensis*)
- **bisignata* Brauer, 1868: 175. Malaysia to Australia
 (has ssp. *consignata*)
- consignata* Selys, 1897: 41, 77. New Guinea
 (ssp. of *bisignata*)
- designata* Selys, 1872: 23, 176.
 (syn. *assignata*)
- edwardsi* Selys, 1849: 3, 124. N.Africa
 (= *iridescens*; = *rendalli*; has ssp. *hulae*)
- hulae* Dumont, 1975: 4, 5. Israel
 (ssp. of *edwardsi*)
- insignata* Selys, 1872: 23, 178. Malaysia
 (ssp. of *signata*)
- iridescens* Kirby, 1898: 2, 235.
 (syn. *edwardsi*)
- luciana* Balinsky, 1961: 24, 86. Zululand
- madagascariensis* Selys, 1897: 41, 81.
 (syn. *assignata*)
- rendalli* Kirby, 1898: 2, 234.
 (syn. *edwardsi*)
- sanguinea* Burmeister, 1839: 2, 858.
 (syn. *signata*)
- signata* Rambur, 1842: 117. India
 (= *sanguinea*; has ssp. *aethiopica*; *aliena*:
insignata & *yiei*)
- thomasi* Longfield, 1932: 1, 34. Arabia
- yiei* Asahina, 1972: 2, 30. Taiwan
 (ssp. of *signata*)

3.3.2.11. Zygonychiae. Large species with advanced libelluline venation;
 habits corduline, metallic body. Resting with abdomen hanging down.

Apical spine and claw approx. same size.

- 3.3.2.11.1. *Celebothemis* Ris, 1912
 (= *Parathemis* Fraser, 1926)

**delecollei* Ris, 1909: 14, 830. Celebes
 (= *metallica*)

metallica Fraser, 1926: 471.
 (syn. *delecollei*)

- 3.3.2.11.2. *Olpogastra* Karsch, 1895
 (has sgen. *Zygonoides*)

bella Lacroix, 1920: 175.
 (syn. *lachesis*)

fraseri Pinhey, 1956: 4, 39. (sgen. *Zygonoides*) Uganda

fuelleborni Gruenberg, 1902: 9, 235. (sgen. *Zygonoides*) Tropical Africa
 (= *occidentalis*)

lachesis Ris, 1912: 14, 828.
 (syn. *bella*) Mayanga

- 3.3.2.11.2. **lugubris* Karsch, 1895: 21, 201, (*Libellula*). Africa
occidentis Ris, 1912: 14, 826. (sgen. *Zygonoides*)
 (syn. *fuelleborni*)
- 3.3.2.11.3. *Zygonoides* Fraser, 1957
 (sgen. of *Olpogastra*)
- 3.3.2.11.4. *Zygonychidium* Lindley, 1970
gracile Lindley, 1970: 103, 79. Ivory Coast
- 3.3.2.11.5. *Zygonyx* Hagen, 1867
 (= *Homothemis* Sjoestedt, 1909; = *Neurocena* Kirby, 1900;
 = *Pseudomacromia* Kirby, 1899; = *Schizonyx* Karsch, 1890;
 = *Schizothemis* Sjoestedt, 1899; = *Tilithemis* Sjoestedt, 1917;
 = *Zygonidia* Kirby, 1900)
- aeneus* Kirby, 1905: 15, 275.
 (syn. *iris*)
- atritibiae* Pinhey, 1964: 63, 120. Zambia
 (ssp. of *speciosus*)
- ceylonicus* Kirby, 1905: 15, 273. Ceylon
 (ssp. of *iris*)
- chrysobaphes* Ris, 1915: 15, 221.
 (syn. *eusebia*)
- davina* Fraser, 1926: 31, 768. N. India
 (ssp. of *iris*)
- elizabethae* Lieftinck, 1963: 74, 57. Madagascar
- errans* Lieftinck, 1953: 22, 266. Borneo
 (ssp. of *iris*)
- eusebia* Ris, 1912: 14, 814. Africa
 (= *chrysobaphes*; = *prodigiosus*; has ssp.
umbrosus [= *pretentiosus*])
- fallax* Schouteden, 1934: 3, 32. Congo
- flavicosta* Sjoestedt, 1899: 25, 24. Congo
 (has ssp. *mwinilungae*)
- hoffmanni* Gruenberg, 1903: 18, 718.
 (syn. *torrida*)
- hova* Rambur, 1842: 92. Madagascar
- **ida* Selys, 1869: 12, 96. Malaysia
 (= *luxuriosus*)
- ikomae* Pinhey, 1961: 96, 270. Nigeria
- ilia* Ris, 1912: 14, 817. Celebes
- immaculatus* Fraser, 1933: 9, 134. Laos
- insignis* Kirby, 1980: 5, 533.
 (syn. *iris*)
- insulanus* Pinhey, 1981: 9, 74. Mauritius
 (ssp. of *torrida*)
- iris* Selys, 1869: 12, 97. India-Malaysia
 (= *aeneus*; = *insignis*; has ssp. *ceylonicus*;
davina; *errans*; *isa*; *malabaricus*; *malayanus*;
metallicus; *mildredae* & *osiris*)

3.3.2.11.5.	<i>isa</i> Fraser, 1926: <u>31</u> , 767. (ssp. of <i>iris</i>)	India
	<i>isis</i> Fraser, 1924: <u>26</u> , 440. (ssp. of <i>torrida</i>)	India
	<i>kikuyuensis</i> Martin, 1915: 34. (syn. <i>natalensis</i>)	
	<i>komatina</i> Foerster, 1906: <u>71-72</u> , 25. (syn. <i>natalensis</i>)	
	<i>lindblomi</i> Sjoestedt, 1917: <u>11</u> , 4. (syn. <i>natalensis</i>)	
	<i>luctiferus</i> Selys, 1869: <u>12</u> , 96.	Seychelles
	<i>luxuriosus</i> Karsch, 1893: <u>38</u> , 21. (syn. <i>ida</i>)	
	<i>malabaricus</i> Fraser, 1926: <u>31</u> , 764. (ssp. of <i>iris</i>)	S.India
	<i>malayanus</i> Laidlaw, 1902: <u>1</u> , 73. (ssp. of <i>iris</i>)	Malaya
	<i>meruensis</i> Sjoestedt, 1909: <u>2</u> , 12. (syn. <i>natalensis</i>)	
	<i>metallicus</i> Fraser, 1931: <u>33</u> , 450. (ssp. of <i>iris</i>)	Malabar
	<i>mildredae</i> Fraser, 1926: <u>31</u> , 766. (ssp. of <i>iris</i>)	Burma
	<i>mwinilungae</i> Pinhey, 1961: <u>14</u> , 90. (ssp. of <i>flavicosta</i>)	Zambia
	<i>natalensis</i> Martin, 1900: 105. (= <i>kikuyuensis</i> ; = <i>komatina</i> ; = <i>lindblomi</i> ; = <i>meruensis</i>)	S.Africa
	<i>osiris</i> Fraser, 1936: <u>3</u> , 400. (ssp. of <i>iris</i>)	Burma
	<i>pretentiosus</i> Fraser, 1957: <u>55</u> , 344. (= <i>eusebia umbrosus</i>)	C.Africa
	<i>pretiosus</i> Karsch, 1891: <u>17</u> , 74. (syn. <i>speciosus</i>)	
	<i>prodigiosus</i> Fraser, 1958: <u>58</u> , 263. (syn. <i>eusebia</i>)	
	<i>ranavalonae</i> Fraser, 1949: <u>3</u> , 36.	Madagascar
	<i>regisalberti</i> Schouteden, 1934: <u>3</u> , 33.	Congo
	<i>rougeoti</i> Pinhey, 1961: <u>24</u> , 514. (syn. <i>speciosus</i>)	
	<i>speciosus</i> Karsch, 1891: <u>17</u> , 74. (= <i>pretiosus</i> ; = <i>rougeoti</i> ; has ssp. <i>atritibiae</i>)	Cameroons
	<i>takasago</i> Asahina, 1966: <u>34</u> ; 119.	Taiwan
	<i>torridus</i> Kirby, 1889: <u>12</u> , 340. (= <i>hoffmanni</i> ; has ssp. <i>insulanus</i> & <i>isis</i>)	W.Asia/Africa

3.3.2.11.5. *umbrosus* Fraser, 1957: 55, 345.
(ssp. of *eusebia*)
viridescens Martin, 1900: 106.

Madagascar

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