

edge. Abdomen of the male clavate, of the female with an acuminate process.

Sp. 1. *Annulatus*.

*Libellula forcipata*. Harris.

*Aeshna annulata*. Latreille.

*Libellula Boltonii*. Donovan.

*Cordulegaster annulatus*. Leach's MSS.

Inhabits Yorkshire, Devonshire, Dorsetshire, Somersetshire, and Cornwall. It likewise occurs amongst the lakes, in the north of England; amongst the Pentlands Hills, near Edinburgh; and on Loch Lomond and Loch Atrine.

GENUS CCCCLXXXII. GOMPHUS. Leach's MSS.

LIBELLULA. Linn. Donovan.

Wings of the male angulated at their anal edge. Abdomen clavate in both sexes.

Sp. 1. *Vulgatissimus*.

*Libellula vulgatissima*. Linn.

*Libellula forcipata*. Donovan.

*Gomphus vulgatissimus*. Leach's MSS.

Inhabits Europe. Is occasionally taken near London.

GENUS CCCCLXXXIII. AESHNA. Fabricius.

LIBELLULA. Linn. Donovan.

Hinder wings of the male angulated at their anal edge. Abdomen cylindrical in both sexes, not clavate.

Sp. 1. *Grandis*.

*Libellula grandis*. Linn. Donovan.

*Aeshna grandis*. Fabricius.

Inhabits Europe.

Obs. There are several European species, which have been confounded with *Aeshna grandis*.

GENUS CCCCLXXXIV. ANAX. Leach's MSS.

Hinder wings of the male not angulated at their anal edge, but resembling those of the female. Abdomen cylindrical in both sexes; not clavate.

Sp. 1. *Imperator*.

Inhabits England.

FAMILY III. *Agrionida*.

Wings erect. Head transverse. Abdomen cylindrical. Ocelli, or little eyes, placed in a triangle.

GENUS CCCCLXXXV. AGRION. - Fabr. Latreille.

LIBELLULA. Linn.

Wings membranaceous, with a rhomboidal stigma. Abdomen of the male not armed with a forceps-like appendage.

Obs. We have of this genus several indigenous species, not accurately determined.

GENUS CCCCLXXXVI. LESTES. Leach.

Wings membranaceous, with an oblong quadrate stigma. Abdomen of the male armed with a forceps-like appendage.

Obs. We have three indigenous species.

GENUS CCCCLXXXVII. CALEPTERYX. Leach's MSS.

AGRION. Fabricius Latreille.

Wings coriaceous-membranaceous, without a real stigma, in place of which is sometimes an irregular opaque spot. Abdomen of the male furnished with a forceps-like appendage.

Obs. This genus comprehends those *Agrionida* with clouded wings.

TRIBE II. EPHEMERIDES.

Tarsi four-jointed. Mouth not distinct. Inferior wings much smaller than the others, sometimes wanting. Abdomen of the male furnished with filaments.

METAMORPHOSIS quadruple.

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FAMILY I. *Baetida*.

Metabolia.

Tail with two filaments.

GENUS CCCCLXXXVIII. BAETIS. Leach's MSS.

EPHEMERA. Linn. Fabricius, Latreille.

Wings four.

Sp. 1. *Bioculatus*.

*Ephemera bioculata*. Linn. Fabr.

*Baetis bioculatus*. Leach's MSS.

Inhabits Europe.

GENUS CCCCLXXXIX. CLOEON. Leach.

EPHEMERA. Linn. Fabricius.

Wings two.

Sp. 1. *Pallida*.

*Ephemera diptera*. Linn. Fabr.

*Cloeon pallida*. Leach's MSS.

Bioculatis.

489. CLOEON.

Pallida.

FAMILY II. *Ephemerida*.

Tail with three filaments.

GENUS CCCXC. EPHEMERA. Linn. Fabr. Latr. 490. EPHEMERA.

Sp. 1. *Vulgata*.

*Ephemera vulgata*. Linn. Fabr.

Inhabits Europe.

Vulgata.

SECT. II. FILICORNES.

Antennae longer than the head, not subulate. Wings generally deflexed, or incumbent.

TRIBE I. PANORPIDES.

Head anteriorly produced into a rostrum.

FAMILY I. *Physapida*.

Wings extended, unequal, anterior ones somewhat triangulate-rounded, the hinder ones very long, linear. Ocelli none.

GENUS CCCXCII. PHYSAPUS.

PANORPA. Linn. Fabricius.

NEMOPTERA. Latreille.

Sp. 1. *Coa*.

*Panorpa coa*. Linn. Fabr.

*Nemoptera coa*. Latreille.

Inhabits Portugal, Spain, and the islands of the Archipelago.

491. PHYSAPUS.

Coa.

FAMILY II. *Panorpidia*.

Wings equal, ovate-elliptic, laying one over the other. Ocelli three, approximate, arranged in a triangle.

GENUS CCCXCIII. PANORPA. Linn. Fabr. Lam. 492. PANORPA.

Tarsi with two bent claws, denticulated beneath, having a spongy pulvillus between them. Palpi nearly equal, filiform; the last joint cylindrical-ovate. Mandibles with their points distinctly bidentate. Abdomen of the male with the three last joints forming a tail armed with a forceps.

Sp. 1. *Communis*.

*Panorpa communis*. Linn. Fabr. Latr. Panz.

Inhabits Europe.

GENUS CCCXCIII. BITTACUS. Latreille.

PANORPA. Linn. Fabr.

Tarsi with a single nail. Palpi of the maxilla distinctly longer than the labial ones; the second and third joint much lengthened, thicker: labial palpi with two elongate cylindrical joints. Mandibles very long, narrow; apex acute, entire. Abdomen cylindrical, that of the male not terminated with a forceps. Legs long.

Sp. 1. *Tipularius*. Obscure reddish; wings imbricated; external margins ciliated; stigmata obscure: points of the tibiae

Communis.

493. BITTACUS.