

A Catalog of Odonata Material in the Cornell University Insect Collection

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## **Abstract**

Museum collections are important to document historical and present-day species distributions and abundance. Tracking insect declines and assessing ecosystem health using insect biomonitoring requires accurate species identifications, up-to-date species catalogs, and digitization and georeferencing of label data. We present a comprehensive, updated catalog of Odonata species present in the Cornell University Insect Collection. We also provide digitized and georeferenced records for seven widespread odonate species to demonstrate the value of historical museum collections.

## **Keywords**

Anisoptera, Zygoptera, Anisozygoptera, historical collections, distributions

## **Word Count**

25,970 (excluding title, abstract, references, tables)

## Introduction

The ongoing biodiversity crisis and the well-documented declines in insect populations (Raven & Wagner 2021; Wagner *et al.* 2021) have made it imperative to understand species diversity, both in the present-day and historically. Museums, with properly curated and taxonomically correct databases, are uniquely positioned to provide this understanding through their collections, some of which date to 100 or more years ago. Museum collections can be instrumental in compiling local, regional, and global species lists to understand the distributions of biodiversity (*e.g.*, Sandall *et al.* 2022). Comparing current and historical species distributions can, for example, provide insight into which species and local populations might be in decline. Odonata material in the CUIC collection is particularly rich in specimens collected in the early 20<sup>th</sup> century and can serve as a direct comparison to present-day collections made by ecologists and evolutionary biologists using dragonflies and damselflies to track insect declines and the health of aquatic ecosystems (Bulánková 1997; Clark & Samways 1996; Oertli 2008).

The Cornell University Insect Collection (CUIC) dates to 1871 when John Henry Comstock began teaching General Entomology at Cornell. Initially focused on the insects of New York State, subsequent expeditions over the past 150 years have given the collection a global focus. The CUIC currently contains approximately 7 million insect specimens, representing 200,000 insect species, or roughly 20% of all described species of insects. Included among the millions of specimens at CUIC are 7,000 type specimens, 2,000 of which are primary types. The Odonata material within the collection is extensive but has not been actively curated since the late 1950s. This collection was built largely through the efforts of J. G. Needham (1868-1957) and his students. Needham was born in Virginia, Illinois in 1868 and studied at Cornell with John Henry Comstock from 1896-1898 (Schwardt 1959). It was during this short, two-year study that Needham

and Comstock proposed a naming structure for insect wing veins that is still in use today (Comstock & Needham 1898). Needham spent several years (1898-1907) teaching biology at Lake Forest University before returning to Cornell as an Assistant Professor of Limnology (Schwardt 1959). He became Chair of the Department of Entomology when Comstock retired in 1914 and remained in that position until his own retirement in 1935. He was an active curator in the CUIC until his death in 1957 (Schwardt 1959). Needham wrote over 250 papers during his career, including several important contributions to our understanding of the biology and taxonomy of Odonata. The Manual of the Dragonflies of North America (Needham & Westfall 1955), written with his former student M.J. Westfall, was the capstone of his career, systematically treating 65 genera and 332 species.

We present a comprehensive checklist of all CUIC Odonata material, including nearly 200 drawers of specimens, containing more than 1,100 adults on pins, around 18,000 adults in glassine envelopes, and over 1,000 exuviae. Additionally, there are 2,132 microscope slide mounts of various adult and immature structures. There are 157 primary types. This catalog includes 1092 species, placed in 315 genera and 36 families (Table 1). Fully digitized label data from eight Odonata species: *Anax junius*, *Aeshna umbrosa*, *Sympetrum obtrusum*, *S. semicinctum*, *S. rubicudulum*, *S. vivinum*, *Ischnura verticalis*, and *I. posita* (Table 2) demonstrate the importance of museum records, particularly when trying to species distribution and abundance over time. (Table 2).

## **Materials and Methods**

Odonata specimens in the Cornell University Insect Collection material are cataloged according to the taxonomy presented in the World Odonata List (Paulson *et al.* 2021). This reference list was

recently updated to reflect new phylogenetic revisions of Odonata families (Bybee *et al.* 2021). This current catalog is a full accounting of the dried and slide material; the ethanol collection, comprising 6,877 vials of adult and nymphal stages, was not included in this catalogue. All adult material has been listed and categorized by preservation method (pinned specimens or specimens preserved in glassine envelopes). Exuviae material have been listed but not categorized by preservation method (pinned or in small boxes). Slide material has also been listed with notes on the morphological structure(s) mounted. Ethanol-preserved material is not listed in the current catalog, but we plan to work through this material in the future. Information on type specimen material is included when present. Notes on synonymies and other taxonomic changes are included for each species. Subspecies are included with synonyms for the species which they were described under rather than listed separately in the catalogue. English common names are provided for species where available (Abbott 2006, Anon 2022a, Anonb; Dijkstra 2016; Global Biodiversity Information Facility 2022; Joshi *et al.* 2022; Paulson 2012; Theischinger & Hawking 2006)

## **Results**

The current checklist catalogs 1092 species from 315 genera and 36 families of Odonata material housed in the CUIC, including over 150 primary types deposited in the collection (Table 1). The North American fauna is particularly well represented, with 97% of the genera and over 80% of the species found in this region. While the collection is world-wide in scope, it includes only 17% of the described species of Odonata. Representation at the generic (48%) and familial (78%) levels of the world fauna is stronger (Paulson & Dunkle 2021).

Perhaps the most significant contribution of this collection to our understanding of the biodiversity and biogeography is as a historical record of Odonata species distribution and

abundance. We digitized label data from eight commonly collected species from New York State: *Anax junius*, *Aeshna umbrosa*, *Sympetrum obtrusum*, *S. semicinctum*, *S. rubicudulum*, *S. vivinum*, *Ischnura verticalis*, and *I. posita* (Table 2) and compared CUIC material with records present in GBIF. Records were binned into time periods (Table 2; pre-1900, 1900-1949, 1950-present) to assess the impact of CUIC collections in comparison to the more extensive records in the GBIF database (Global Biodiversity Information Facility 2022).

CUIC records for the pre-1900 period represent 25.6% of the total known records (90 GBIF, 31 CUIC). While some species were not represented during this time period (*Ischnura posita*, *Sympetrum obtrusum*, *S. rubicudulum*), individual CUIC species records present accounted for between 5.7% (*Sympetrum semicinctum*) and 100% (*Aeshna umbrosa* and *Anax junius*) of known records (Table 2). CUIC material for the time period between 1900 and 1949 was even more significantly represented, with 58.8% of the known records (127 GBIF, 181 CUIC), including at least 30% of the material known for all eight species (Table 2). This 50-year period reflects a time prior to the post-WWII population expansion in the United States and provides important insights into historical distribution and abundance of these species that is not available elsewhere. Interestingly, CUIC only represented 0.5% of the material in the period between 1950 and the present (4278 GBIF, 17 CUIC). This is due to the fact that the CUIC Odonata collection was inactive following the retirement and death of JG Needham in the early 1950s.

Future digitization and georeferencing projects on the entire CUIC collection will allow us to document any range expansions or contractions that have occurred during the 150-year history of the CUIC. The Odonata records in the CUIC for the other 1085 species will provide

critical baseline data for further studies of species abundance, distribution, and habitat preference that can be compared to modern survey data.

## Checklist of Species

### ANISOPTERA

#### Aeshnidae

*Aeschnophlebia* Selys, 1883

*Aeschnophlebia longistigma* Selys, 1883

Synonyms: *Aeschnophlebia kolthoffi* Sjöstedt, 1925; *Aeschnophlebia zygoptera*

Belyshev, 1965

Material Examined: Pinned (1), Glassine (4)

*Aeshna* Fabricius, 1775

*Aeshna affinis* Vander Linden, 1820

Synonyms: *Aeshna landoltii* Buchecker, 1876

English Common Name: Southern Migrant Hawker

Material Examined: Pinned (1), Exuviae (1), Slide (mouthparts)

*Aeshna brevistyla* (Rambur, 1842)

Synonyms: *Adversaeschna brevistyla* Rambur, 1842; *Adversaeschna brevistyla*

*caledonica* Davies, 2002

English Common Name: Blue-spotted Hawker

Material Examined: Glassine (2), Slide (wing)

*Aeshna caerulea* (Strom, 1783)

Synonyms: *Libellula caerulea* Ström, 1783; *Libellula squamata* Müller, 1764 (nomen oblitum); *Aeschna borealis* Zetterstedt, 1840

English Common Name: Azure Hawker

Material Examined: Glassine (1)

*Aeshna canadensis* Walker, 1908

Synonyms: *Anax maritimus* Provancher, 1895 (nomen oblitum)

English Common Name: Canada Darner

Material Examined: Pinned (4), Glassine (29), Exuviae (1)

*Aeshna clepsydra* Say, 1840

Synonyms: ?*Aeschna arundinacea* Selys in Selys & McLachlan, 1872

English Common Name: Mottled Darner

Material Examined: Pinned (3), Glassine (21), Slide (wing)

*Aeshna constricta* Say, 1840

English Common Name: Lace-tipped Darner

Material Examined: Pinned (4), Glassine (~40), Exuviae (2), Slide (wing)

*Aeshna cyanea* (Muller, 1764)

Synonyms: *Libellula cyanea* Müller, 1764; *Libellula aenea* Sulzer, 1761 (nec Linnaeus, 1758); *Libellula anguis* Harris, 1780; *Aeshna maculatissima* Latreille, 1805; *Libellula varia* Shaw, 1806 (nec Gmelin, 1788); *Aeshna juncea* Charpentier, 1840 (nec Linnaeus, 1758); *Aeschna atshischgho* Bartenev, 1929; *Aeschna cyanea bicellulata* Görtler, 1948

English Common Name: Blue Hawker

Material Examined: Pinned (2), Glassine (3), Exuviae (2), Slide (wing)

*Aeshna eremita* Scudder, 1866

Synonyms: *Aeschna hudsonica* Selys, 1875

English Common Name: Lake Darner

Material Examined: Pinned (2), Glassine (~40)

*Aeshna interrupta* Walker, 1908

Synonyms: *Aeshna interna* Walker, 1908; *Aeshna lineata* Walker, 1908; *Aeshna nevadensis* Walker, 1908

English Common Name: Variable Darner

Material Examined: Pinned (8), Glassine (~50), Exuviae (1)

*Aeshna isoceles* (Müller, 1767)

Synonyms: *Libellula isoceles* Müller, 1767; *Aeschna chrysophthalmus* Charpentier, 1825; *Aeshna rufescens* Vander Linden, 1825; *Aeshna antehumeralis* Schmidt, 1950

English Common Name: Green-eyed Hawker

Material Examined: Pinned (1), Glassine (5)

*Aeshna juncea* (Linnaeus, 1758)

Synonyms: *Libellula juncea* Linnaeus, 1758; *Libellula ocellata* Müller, 1767; *Aeshna picta* Charpentier, 1840; *Aeshna rustica* Zetterstedt, 1840; *Aeshna picta caucasica* Kolenati, 1846; *Aeshna crenatoides* Bartenev, 1925; *Aeshna juncea angustistyla* Oguma, 1926; *Aeshna brachystigma* Sjöstedt, 1927; *Aeshna juncea americana* Bartenev, 1929; *Aeshna juncea mongolica* Bartenev, 1929; *Aeshna juncea orientalis* Bartenev, 1929; *Aeshna undulata* Bartenev, 1930; *Aeshna lapponica* Valle, 1940; *Aeshna baicalensis* Belyshev, 1964

English Common Name: Sedge Darner

Material Examined: Glassine (5), Slide (wing)

*Aeshna mixta* Latreille, 1805

Synonyms: *Libellula coluberculus* Harris, 1780 (nomen oblitum); *Aeshna alpina* Selys, 1848; *Aeshna coluberculus habermayeri* Götz, 1923; *Aeshna lucia* Needham, 1929; *Aeshna mixta soneharai* Asahina, 1988

Type Material: CUIIC #3728 (*Aeshna lucia* Needham, 1929)

English Common Name: Migrant Hawker

Material Examined: Slide (mouthparts)

*Aeshna palmata* Hagen, 1856

Synonyms: *Aeshna arida* Kennedy, 1918

English Common Name: Paddle-tailed Darner

Material Examined: Glassine (~30)

*Aeshna septentrionalis* Burmeister, 1839

English Common Name: Azure Darner

Material Examined: Pinned (1), Exuviae (1)

*Aeshna sitchensis* Hagen, 1861

English Common Name: Zigzag Darner

Material Examined: Pinned (1), Exuviae (4)

*Aeshna tuberculifera* Walker, 1908

English Common Name: Black-tipped Darner

Material Examined: Glassine (7)

*Aeshna umbrosa* Walker, 1908

Synonyms: *Aeshna umbrosa occidentalis* Walker, 1908

English Common Name: Shadow Darner

Material Examined: Pinned (7), Glassine (117), Exuviae (2), Slide (mouthparts)

*Aeshna verticalis* Hagen, 1861

Synonyms: *Aeschna propinqua* Scudder, 1866

English Common Name: Green-striped Darner

Material Examined: Glassine (2)

*Aeshna walkeri* Kennedy, 1917

English Common Name: Walker's Darner

Material Examined: Glassine (1)

*Allopetalia* Selys, 1873

*Allopetalia reticulosa* Selys, 1873

Synonyms: *Anax striatus* Kirby, 1899

Material Examined: Glassine (1)

*Anaciaeschna* Selys, 1878

*Anaciaeschna jaspidea* (Burmeister, 1839)

Synonyms: *Aeschna jaspidea* Burmeister, 1839; *Aeschna tahitensis* Brauer, 1865;

*Protoaeschna pseudochiri* Förster, 1908

English Common Name: Australasian Dusk Hawker

Material Examined: Glassine (7)

*Anax* Leach in Brewster, 1815

*Anax amazili* (Burmeister, 1839)

Synonyms: *Aeschna amazili* Burmeister, 1839; *Anax maculatus* Rambur, 1842

English Common Name: Amazon Darner

Material Examined: Glassine (3)

*Anax ephippiger* (Burmeister, 1839)

Synonyms: *Aeschna ephippigera* Burmeister, 1839; *Aeshna mediterranea* Selys, 1839,

*Anax senegalensis* Rambur, 1842; *Anax marginope* Baijal & Agarwal, 1955

Material Examined: Slide (wing)

*Anax gibbosulus* Rambur, 1842

Material Examined: Glassine (1)

*Anax guttatus* (Burmeister, 1839)

Synonyms: *Aeschna guttata* Burmeister, 1839; *Anax magnus* Rambur, 1842; *Libellula*

*selysii* Schlegel, 1849; *Anax goliathus* Fraser, 1922

English Common Name: Lesser Green Emperor

Material Examined: Pinned (2), Glassine (15), Slide (wing)

*Anax imperator* Leach, 1815

Synonyms: *Aeshna formosa* Vander Linden, 1820; *Aeschna azurea* Charpentier, 1825;

*Aeschna dorsalis* Burmeister, 1839; *Anax mauricianus* Rambur, 1842; *Aeschna lunata*

Kolenati, 1856

English Common Name: Blue Emperor

Material Examined: Pinned (1), Glassine (3), Exuviae (15) Slide (mouthparts, wing)

*Anax junius* (Drury, 1773)

Synonyms: *Libellula junia* Drury, 1773; *Anax spiniferus* Rambur, 1842; *Anax ocellatus* Hagen, 1867; *Anax severus* Hagen, 1867

English Common Name: Common Green Darner

Material Examined: Pinned (26), Glassine (~145), Exuviae (28), Slide (mouthparts, wing)

*Anax longipes* Hagen, 1861

English Common Name: Comet Darner

Material Examined: Pinned (2), Glassine (3), Exuviae (9)

*Anax nigrofasciatus* Oguma, 1915

Synonyms: *Anax nigrolineatus* Fraser, 1935

English Common Name: Blue-spotted Emperor

Material Examined: Glassine (4)

*Anax parthenope* (Selys, 1839)

Synonyms: *Aeshna parthenope* Selys, 1839; *Anax parisinus* Rambur, 1842; *Anax julius*

Brauer, 1865; *Anax bacchus* Hagen, 1867; *Anax major* Götz, 1923; *Anax geyri*

Buchholz, 1955; *Anax jordansi* Buchholz, 1955

English Common Name: Lesser Emperor

Material Examined: Pinned (5), Glassine 29), Exuviae (5)

*Anax speratus* Hagen, 1867

English Common Name: Orange Emperor

Material Examined: Glassine (1)

*Anax strenuus* Hagen, 1867

English Common Name: Giant Hawaiian Darner

Material Examined: Glassine (3)

*Anax walsinghami* McLachlan, 1883

English Common Name: Giant Darner

Material Examined: Pinned (1), Glassine (~35), Slide (wing)

*Austroaeschna* Selys, 1883

*Austroaeschna multipunctata* (Martin, 1901)

Synonyms: *Planaeschna multipunctata* Martin, 1901

English Common Name: Multi-spotted Darner

Material Examined: Glassine (1)

*Austroaeschna parvistigma* Martin, 1901

English Common Name: Swamp Darner

Material Examined: Exuviae (2)

*Basiaeschna* Selys, 1883

*Basiaeschna janata* (Say, 1840)

Synonyms: *Aeshna janata* Say, 1840; *Aeschna minor* Rambur, 1842

English Common Name: Springtime Darner

Material Examined: Pinned (4), Glassine (22), Exuviae (20), Slide (mouthparts, wing)

***Boyeria*** McLachlan, 1896

*Boyeria grafitana* Williamson, 1907

English Common Name: Ocelated Darner

Material Examined: Pinned (6), Glassine (8)

*Boyeria irene* (Fonscolombe, 1838)

Synonyms: *Aeshna irene* Fonscolombe, 1838; *Boyeria brachycerca* Navás, 1919

English Common Name: Western Spectre

Material Examined: Pinned (1), Exuviae (1), Slide (wing)

*Boyeria vinosa* (Say, 1840)

Synonyms: *Aeshna vinosa* Say, 1840; *Aeschna quadriguttata* Burmeister, 1839 (nomen oblitum)

English Common Name: Fawn Darner

Material Examined: Pinned (6), Glassine (~35), Exuviae (4), Slide (wing)

***Brachytron*** Evans, 1845

*Brachytron pratense* (Muller, 1764)

Synonyms: *Libellula pratensis* Müller, 1764; *Libellula hafniensis* Müller, 1764; *Libellula aspis* Harris, 1780; *Aeshna vernalis* Vander Linden, 1820; *Aeschna pilosa* Charpentier, 1825

English Common Name: Hairy Hawker

Material Examined: Glassine (3)

***Cephalaeschna*** Selys, 1883

*Cephalaeschna needhami* Asahina, 1981

Type Material: CUIC #6375, Holotype

*Cephalaeschna patrorum* Needham, 1930

Type Material: CUIC #3120, Holotype

***Coryphaeschna*** Williamson, 1903

*Coryphaeschna adnexa* (Hagen, 1861)

Synonyms: *Aeschna adnexa* Hagen, 1861; *Aeschna macromia* Brauer, 1865;

*Coryphaeschna guyanensis* Machet, 1991

English Common Name: Blue-faced Darner

Material Examined: Pinned (15),

*Coryphaeschna ingens* (Rambur, 1842)

Synonyms: *Aeschna ingens* Rambur, 1842; *Aeschna abbotti* Hagen, 1863

English Common Name: Regal Darner

Material Examined: Pinned (5), Glassine (~150), Exuviae (3), Slide (wing)

*Coryphaeschna viriditas* Calvert, 1952

Synonyms: *Aeschna virens* Rambur, 1842 (nec Charpentier, 1840)

English Common Name: Mangrove Darner

Material Examined: Glassine (~30), Slide (wing)

*Epiaeschna* Hagen in Selys, 1883

*Epiaeschna heros* (Fabricius, 1798)

Synonyms: *Aeshna heros* Fabricius, 1798; *Aeshna multicincta* Say, 1840

English Common Name: Swamp Darner

Material Examined: Pinned (9), Glassine (~75), Exuviae (1), Slide (wing)

*Gomphaeschna* Selys, 1871

*Gomphaeschna antilope* (Hagen, 1874)

Synonyms: *Aeschna antilope* Hagen, 1874

English Common Name: Tapor-tailed Darner

Material Examined: Pinned (3), Glassine (8)

*Gomphaeschna furcillata* (Say, 1840)

Synonyms: *Aeshna furcillata* Say, 1840; *Gynacantha quadrifida* Rambur, 1842

English Common Name: Harlequin Darner

Material Examined: Pinned (4), Glassine (~65), Slide (wing)

***Gynacantha*** Rambur, 1872

*Gynacantha adela* Martin, 1909

Synonyms: *Gynacantha martini* Navás, 1911

Material Examined: Glassine (1)

*Gynacantha bayadera* Selys, 1891

Synonyms: *Gynacantha lyttoni* Fraser, 1926

Material Examined: Glassine (3)

*Gynacantha cheilifera* McLachlan, 1895

Synonyms: *Selysiophlebia aratrix* Förster, 1905

Material Examined: Glassine (1)

*Gynacantha cylindrata* Karsch, 1891

English Common Name: Greater Girdled Duskhawker

Material Examined: Glassine (2)

*Gynacantha ereagris* Gundlach, 1888

Material Examined: Glassine (3)

*Gynacantha gracilis* (Burmeister, 1839)

Synonyms: *Aeschna gracilis* Burmeister, 1839

Material Examined: Glassine (1)

*Gynacantha hyalina* Selys, 1882

Material Examined: Pinned (1), Glassine (7)

*Gynacantha interioris* Williamson, 1923

Material Examined: Glassine (1)

*Gynacantha klagesi* Williamson, 1923

Material Examined: Glassine (2)

*Gynacantha litoralis* Williamson, 1923

Material Examined: Glassine (1)

*Gynacantha membranalis* Karsch, 1891

Synonyms: *Gynacantha jubilaris* Navás, 1915

Material Examined: Glassine (6)

*Gynacantha nervosa* Rambur, 1842

English Common Name: Twilight Darner

Material Examined: Pinned (2), Glassine (~55)

*Gynacantha rosenbergi* Kaup, in Brauer, 1867

English Common Name: Grey Duskhawker

Material Examined: Glassine (3)

*Gynacantha subinterrupta* Rambur, 1842

Synonyms: *Gynacantha hanumana* Fraser, 1922

Material Examined: Glassine (6)

*Gynacantha tenuis* Martin, 1909

Material Examined: Glassine (1)

***Indaeschna*** Fraser, 1926

*Indaeschna baluga* Needham and Gyger, 1937

Type Material: CUIC #3144, Allotype/Holotype

***Nasiaeschna*** Selys in Förster, 1900

*Nasiaeschna pentacantha* (Rambur, 1842)

Synonyms: *Aeschna pentacantha* Rambur, 1842

English Common Name: Cyrano Darner

Material Examined: Glassine (many), Slide (wing)

***Neuraeschna*** Hagen, 1867

*Neuraeschna mina* Williamson, 1930

Material Examined: Pinned (1)

***Oligoaeschna*** Selys, 1889

*Oligoaeschna zambo* Needham and Gyger, 1937

Type Material: CUIC #3556, Holotype

Material Examined: Pinned (1)

***Oplonaeschna*** Selys, 1883

*Oplonaeschna armata* (Hagen, 1861)

Synonyms: *Aeschna armata* Hagen, 1861

English Common Name: Riffle Darner

Material Examined: Glassine (1), Slide (wing)

***Periaeschna*** Martin, 1908

*Periaeschna magdalena* Martin, 1909

Material Examined: Glassine (2)

***Planaeschna*** McLachlan, 1896

*Planaeschna milnei* (Selys, 1883)

Synonyms: *Aeschna milnei* Selys, 1883; *Aeschnophlebia optata* Selys, 1883;

*Planaeschna naica* Ishida, 1994

Material Examined: Glassine (1), Slide (wing)

***Polycanthagyna*** Fraser, 1933

*Polycanthagyna melanictera* (Selys, 1883)

Synonyms: *Aeschna melanictera* Selys, 1883

Material Examined: Glassine (3)

***Rhionaeschna*** Förster, 1909

*Rhionaeschna bonariensis* (Rambur, 1842)

Synonyms: *Aeshna bonariensis* Rambur, 1842; *Aeshna litigatrix* Navás, 1911; *Aeshna lutea* Navás, 1920

Material Examined: Glassine (5)

*Rhionaeschna californica* (Calvert, 1895)

Synonyms: *Aeshna californica* Calvert, 1895

English Common Name: California Darner

Material Examined: Pinned (4), Glassine (~25), Exuviae (18)

*Rhionaeschna cornigera* (Brauer, 1865)

Synonyms: *Aeschna cornigera* Brauer, 1865

Material Examined: Glassine (5)

*Rhionaeschna diffinis* (Rambur, 1842)

Synonyms: *Aeschna diffinis* Rambur, 1842

Material Examined: Pinned (2), Exuviae (1)

*Rhionaeschna dugesi* (Calvert, 1905)

Synonyms: *Aeshna dugesi* Calvert, 1905

English Common Name: Arroyo Darner

Material Examined: Glassine (3)

*Rhionaeschna multicolor* (Hagen, 1861)

Synonyms: *Aeschna multicolor* Hagen, 1861; *Aeshna furcifera* Karsch, 1891

English Common Name: Blue-eyed Darner

Material Examined: Pinned (4), Glassine (~80)

*Rhionaeschna mutata* (Hagen, 1861)

Synonyms: *Aeshna mutata* Hagen, 1861

English Common Name: Spatterdock Darner

Material Examined: Glassine (6)

***Staurophlebia*** Brauer, 1865

*Staurophlebia reticulata* (Burmeister, 1839)

Synonyms: *Aeschna reticulata* Burmeister, 1839; *Aeschna gigas* Rambur, 1842;

*Staurophlebia magnifica* Brauer, 1865; *Staurophlebia reticulata guatemalteca* Walker,

1915; *Staurophlebia reticulata obscura* Walker, 1915; ?*Staurophlebia platyura* Navás,

1920

Material Examined: Pinned (2)

***Tetracanthagyna*** Selys, 1883

*Tetracanthagyna bakeri* Champion, in Laidlaw, 1928

Material Examined: Glassine (2)

***Tricanthagyna*** Selys, 1883

*Tricanthagyna caribbea* Williamson, 1923

Synonyms:

English Common Name: Caribbean Darner

Material Examined: Glassine (1)

*Tricanthagyna ditzleri* Williamson, 1923

Material Examined: Glassine (2)

*Tricanthagyna septima* (Selys, in Sagra, 1857)

Synonyms: *Gynacantha septima* Selys in Sagra, 1857

English Common Name: Pale-green Darner

Material Examined: Glassine (11)

*Tricanthagyna trifida* (Rambur, 1842)

Synonyms: *Gynacantha trifida* Rambur, 1842; *Triacanthagyna needhami* Martin, 1909

English Common Name: Phantom Darner

Material Examined: Glassine (8)

## Austropetaliidae

*Phyllopetalia* Selys, 1858

*Phyllopetalia apollo* Selys, 1878

Synonyms: *Phyllopetalia decorata* McLachlan in Selys, 1878; *Rheopetalia rex* Carle, 1996

English Common Name: Apollo Redspot

Material Examined: Slide (wing)

## Chlorogomphidae

*Chlorogomphus* Selys, 1854

*Chlorogomphus infuscatus* Needham, 1930

Type Material: CUIC #972, Holotype

Material Examined: Slide (wing)

*Chlorogomphus nasutus* Needham, 1930

Synonyms: *Chlorogomphus nasutus satoi* Asahina, 1995; *Chlorogomphus nasutus hamalaineni* Karube, 2013

Type Material: CUIC #963, Holotype

Material Examined: Slide (wing)

*Chlorogomphus tunti* Needham, 1930

Type Material: CUIC #956, Holotype

Notes: Type material is missing.

## **Corduligastridae**

*Anotogaster* Selys, 1854

*Anotogaster kuchenbeiseri* (Forster, 1899)

Synonyms: *Cordulegaster kuchenbeiseri* Förster, 1899

Material Examined: --

Notes: 2 glassine specimens out on loan

*Anotogaster myosa* Needham, 1930

Type Material: CUIC #957, Holotype

Notes: Type material is missing.

*Anotogaster sieboldii* Selys, 1854

Synonyms: *Cordulegaster sieboldii* Selys, 1854

English Common Name: Giant Spiketail

Material Examined: Pinned (1), Slide (wing)

Notes: 7 glassine specimens currently out on loan

*Cordulegaster* Leach in Brewster, 1815

*Cordulegaster bilineata* (Carle, 1983)

Synonyms: *Zoraena bilineata* Carle, 1983

English Common Name: Brown Spiketail

Material Examined: Glassine (1)

*Cordulegaster boltonii* (Donovan, 1807)

Synonyms: *Libellula boltonii* Donovan, 1807; *Libellula grandis* Scopoli, 1763 (nec Linnaeus, 1758); *Libellula forcipata* Harris, 1780 (nec Linnaeus, 1758); *Aeshna annulata* Latreille, 1805 (nec Fabricius, 1798); *Aeschna lunulata* Charpentier, 1825; *Cordulegaster annulatus immaculifrons* Selys, 1850; *Cordulegaster annulatus intermedius* Selys, 1857; *Aeschna lorenzonii* Disconzi, 1865; *Cordulegaster annulatus algerica* Morton, 1916; *Cordulegaster boltonii iberica* Boudot & Jacquemin, 1995

Material Examined: Pinned (3), Glassine (1), Slide (nymph)

*Cordulegaster diadema* Selys, 1868

Synonyms: *Cordulegaster godmani* McLachlan, 1878

English Common Name: Apache Spiketail

Material Examined: Pinned (4), Glassine (1), Slide (wing)

*Cordulegaster diastatops* (Selys, 1854)

Synonyms: *Thecaphora diastatops* Selys, 1854

English Common Name: Delta spotted Spiketail

Material Examined: Pinned (4), Glassine (27), Exuviae (2), Slide (mouthparts)

*Cordulegaster dorsalis* Hagen, in Selys, 1858

Synonyms: *Cordulegaster deserticola* Cruden, 1969

English Common Name: Pacific Spiketail

Material Examined: Pinned (11), Glassine (4)

*Cordulegaster erronea* Selys, 1878

English Common Name: Tiger Spiketail

Material Examined: Pinned (3), Glassine (5)

*Cordulegaster maculata* Selys, 1854

English Common Name: Twin-spotted Spiketail

Material Examined: Pinned (6), Glassine (27), Slide (wing)

*Cordulegaster obliqua* (Say, 1839)

Synonyms: *Aeshna obliqua* Say, 1840; *Cordulegaster fasciatus* Rambur, 1842

English Common Name: Arrowhead Spiketail

Material Examined: Pinned (3), Glassine (2), Slide (adult, other)

*Cordulegaster sayi* Selys, 1854

English Common Name: Say's Spiketail

Material Examined: Pinned (3), Slide (wing)

## **Corduliidae**

*Cordulia* Leach in Brewster, 1815

*Cordulia aenea* (Linnaeus, 1758)

Synonyms: *Libellula aenea* Linnaeus, 1758; *Cordulia aenea amurensis* Selys, 1887;

*Cordulia turfosa* Förster, 1902; *Cordulia laubmanni* Glötz, 1923; *Cordulia*

*brachycauda* Görtier, 1948; *Cordulia longicauda* Görtier, 1948; *Cordulia linaenea*

Fraser, 1956; *Cordulia selysi* Belyshev, 1956; *Cordulia aeneaturfosa* Buchholz, 1967

English Common Name: Downy Emerald

Material Examined: Glassine (1), Exuviae (5)

*Cordulia shurtleffi* Scudder, 1866

English Common Name: American Emerald

Material Examined: Pinned (5), Glassine (~35), Exuviae (1), Slide (wing)

***Dorocordulia*** Needham, 1901

*Dorocordulia lepida* (Hagen in Selys, 1871)

Synonyms: *Cordulia lepida* Hagen in Selys, 1871

English Common Name: Petite Emerald

Material Examined: Pinned (5), Exuviae (1), Slide (wing)

*Dorocordulia libera* (Selys, 1871)

Synonyms: *Cordulia libera* Selys, 1871

English Common Name: Racket-tailed Emerald

Material Examined: Pinned (7), Glassine (~30), Exuviae (1), Slide (wing)

*Epitheca* Charpentier, 1840

*Epitheca bimaculata* (Charpentier, 1825)

Synonyms: *Libellula bimaculata* Charpentier, 1825; *Libellula fuchsiana* Eversmann, 1836; *Epitheca bimaculata sibirica* Selys, 1887; *Epitheca bimaculata altaica* Belyshev, 1951

English Common Name: Eurasian Baskettail

Material Examined: Pinned (1), Exuviae (1)

*Epitheca canis* (MacLachlan, 1886)

Synonyms: *Tetragoneuria canis* McLachlan, 1886

English Common Name: Beaverpond Baskettail

Material Examined: Pinned (2), Glassine (20), Exuviae (7)

*Epitheca costalis* (Selys, 1871)

Synonyms: *Cordulia costalis* Selys, 1871; *Tetragoneuria williamsoni* Muttkowski, 1911

English Common Name: Slender Baskettail

Material Examined: Glassine (4)

*Epitheca cynosura* (Say, 1840)

Synonyms: *Libellula cynosura* Say, 1840; *Epophthalmia lateralis* Burmeister, 1839

(nomen oblitum); *Cordulia complanata* Rambur, 1842; *Cordulia cynosura basiguttata*

Selys, 1871; *Tetragoneuria cynosura simulans* Muttkowski, 1911; *Tetragoneuria morio*

Muttkowski, 1911

English Common Name: Common Baskettail

Material Examined: Pinned (5), Glassine (~150), Exuviae (29), Slide (wing)

*Epitheca marginata* (Selys, 1883)

Synonyms: *Somatochlora marginata* Selys, 1883

Material Examined: Glassine (~35), Slide (leg, mouthparts, wing)

*Epitheca petechialis* (Muttkowski, 1911)

Synonyms: *Tetragoneuria petechialis* Muttkowski, 1911

English Common Name: Dot-winged Baskettail

Material Examined: Glassine (1)

*Epitheca princeps* Hagen, 1861

Synonyms: *Cordulia regina* Hagen in Selys, 1871

English Common Name: Prince Baskettail

Material Examined: Pinned (10), Glassine (25), Exuviae (37), Slide (wing)

*Epitheca semiaquea* (Burmeister, 1839)

Synonyms: *Libellula semiaquea* Burmeister, 1839; *Cordulia diffinis* Selys, 1871;

*Tetragoneuria semiaquea calverti* Muttkowski, 1915

English Common Name: Mantled Baskettail

Material Examined: Glassine (3)

*Epitheca sepia* (Gloyd, 1933)

Synonyms: *Tetragoneuria sepia* Gloyd, 1933

English Common Name: Sepia Baskettail

Material Examined: Glassine (7)

*Epitheca spinigera* (Selys, 1871)

Synonyms: *Cordulia spinigera* Selys, 1871; *Tetragoneuria indistincta* Morse, 1895

English Common Name: Spiny Baskettail

Material Examined: Glassine (~15)

*Epitheca spinosa* (Hagen, in Selys, 1878)

Synonyms: *Cordulia spinosa* Hagen in Selys, 1878

English Common Name: Robust Baskettail

Material Examined: Pinned (1)

*Epitheca stella* (Williamson, in Muttkowski, 1911)

Synonyms: *Tetragoneuria stella* Williamson in Muttkowski, 1911

English Common Name: Florida Baskettail

Material Examined: Glassine (~25)

***Helocordulia*** Needham, 1901

*Helocordulia uhleri* (Selys, 1871)

Synonyms: *Cordulia uhleri* Selys, 1871

English Common Name: Uhler's Sundragon

Material Examined: Pinned (6), Glassine (4), Exuviae (1), Slide (wing)

*Hemicordulia* Selys, 1870

*Hemicordulia assimilis* Hagen, in Selys, 1871

Material Examined: Pinned (2), Slide (mouthparts)

*Hemicordulia australiae* (Rambur, 1842)

Synonyms: *Cordulia australiae* Rambur, 1842; *Hemicordulia magica* Lieftinck, 1937

English Common Name: Australian Emerald

Material Examined: Pinned (1)

*Hemicordulia mindana* Needham and Gyger, 1937

Synonyms: *Hemicordulia mindana nipponica* Asahina, 1980

Type Material: CUIC #3557, Holotype

*Hemicordulia mumfordi* Needham, 1933

Material Examined: Pinned (1)

*Hemicordulia oceanica* Selys, 1871

Material Examined: Pinned (2), Slide (wing)

*Hemicordulia similis* (Rambur, 1842)

Synonyms: *Cordulia similis* Rambur, 1842; *Hemicordulia delicata* Martin, 1896

Material Examined: Pinned (1)

*Hemicordulia tau* Selys, 1871

English Common Name: Tau Emerald

Material Examined: Pinned (3), Slide (wing)

***Heteronaias*** Needham & Gyger, 1937

*Heteronaias heterodoxa* (Selys, 1878)

Synonyms: *Epitheca heterodoxa* Selys, 1878

Material Examined: Pinned (7), Slide (head, larvae, legs, mouthparts, wing)

***Navicordulia*** Machado & Costa, 1995

*Navicordulia errans* (Calvert, 1909)

Synonyms: *Dorocordulia errans* Calvert, 1909

Material Examined: Pinned (1), Slide (wing)

***Neurocordulia*** Selys, 1871

*Neurocordulia alabamensis* Hodges, in Needham and Westfall, 1955

English Common Name: Alabama Shadowdragon

Material Examined: Exuviae (1)

*Neurocordulia obsoleta* (Say, 1840)

Synonyms: *Libellula obsoleta* Say, 1840; *Libellula polysticta* Burmeister, 1839 (nomen oblitum)

English Common Name: Umber Shadowdragon

Material Examined: Exuviae (5), Slide (mouthparts)

*Neurocordulia virginiensis* Davis, 1927

English Common Name: Cinnamon Shadowdragon

Material Examined: Glassine (11)

*Neurocordulia xanthosoma* (Williamson, 1908)

Synonyms: *Platycordulia xanthosoma* Williamson, 1908

English Common Name: Orange Shadowdragon

Material Examined: Glassine (6)

*Neurocordulia yamaskanensis* (Provancher, 1875)

Synonyms: *Aeschna yamaskanensis* Provancher, 1875; *?Epitheca jamascarensis* Hagen in Selys, 1878 (lapsus)

English Common Name: Stygian Shadowdragon

Material Examined: Glassine (4)

***Procordulia*** Martin, 1907

*Procordulia artemis* Lieftinck, 1930

Material Examined: Glassine (2)

*Procordulia grayi* (Selys, 1871)

Synonyms: *Epitheca grayi* Selys, 1871

English Common Name:

Material Examined: Slide (wing)

*Procordulia jacksoniensis* (Rambur, 1842)

Synonyms: *Cordulia jacksoniensis* Rambur, 1842

Material Examined: Glassine (2)

*Procordulia sambawana* (Forster, 1899)

Synonyms: *Somatochlora sambawana* Förster, 1899

Material Examined: Glassine (2)

*Procordulia smithii* (White in White & Gardiner Butler, 1846)

Synonyms: *Cordulia smithii* White in White & Gardiner Butler, 1846; *Cordulia novaezeelandiae* Brauer, 1865

English Common Name: Smith's Dragonfly, Ranger Dragonfly

Material Examined: Slide (wing)

***Rialla*** Navás, 1915

*Rialla villosa* (Rambur, 1842)

Synonyms: *Cordulia villosa* Rambur, 1842; *Rialla membranata* Navás, 1915

Material Examined: Glassine (10), Slide (wing)

***Somatochlora*** Selys, 1871

*Somatochlora albicincta* (Burmeister, 1839)

Synonyms: *Epopthalmia albicincta* Burmeister, 1839; *Cordulia eremita* Scudder, 1866;

*Somatochlora albicincta massettensis* Whitehouse, 1941

English Common Name: Ringed Emerald

Material Examined: Glassine (15)

*Somatochlora cingulata* (Selys, 1871)

Synonyms: *Epitheca cingulata* Selys, 1871

English Common Name: Lake Emerald

Material Examined: Glassine (5)

*Somatochlora dido* Needham, 1930

Type Material: CUIC #3121, Paratype

Material Examined: Glassine (1)

*Somatochlora elongata* (Scudder, 1866)

Synonyms: *Cordulia elongata* Scudder, 1866

English Common Name: Ski-tipped Emerald

Material Examined: Pinned (2), Glassine (1), Slide (wing)

*Somatochlora ensigera* Martin, 1907

Synonyms: *Somatochlora charadraea* Williamson, 1907

English Common Name: Plains Emerald

Material Examined: Pinned (1)

*Somatochlora filosa* (Hagen, 1861)

Synonyms: *Cordulia filosa* Hagen, 1861

English Common Name: Fine-lined Emerald

Material Examined: Pinned (3), Glassine (3)

*Somatochlora flavomaculata* (Vander Linden, 1825)

Synonyms: *Libellula flavomaculata* Vander Linden, 1825; *Cordulia vicetina* Disconzi,  
1865

English Common Name: Yellow-spotted Emerald

Material Examined: Glassine (6)

*Somatochlora franklini* (Selys, 1878)

Synonyms: *Epitheca franklini* Selys, 1878; *Somatochlora macrotona* Williamson 1909

English Common Name: Delicate Emerald

Material Examined: Glassine (5)

*Somatochlora hudsonica* (Hagen, in Selys, 1871)

Synonyms: *Epitheca hudsonica* Hagen in Selys, 1871

English Common Name: Hudsonian Emerald

Material Examined: Glassine (1)

*Somatochlora kennedyi* Walker, 1918

English Common Name: Kennedy's Emerald

Material Examined: Glassine (7)

*Somatochlora linearis* (Hagen, 1861)

Synonyms: *Cordulia linearis* Hagen, 1861; *Epitheca procera* Selys, 1871; *Somatochlora lateralis* Needham, 1901 (lapsus)

English Common Name: Mocha Emerald

Material Examined: Pinned (3), Glassine (2), Exuviae (5), Slide (wing)

*Somatochlora metallica* (Vander Linden, 1825)

Synonyms: *Libellula metallica* Vander Linden, 1825; *Somatochlora vera* Bartenev, 1914;

*Somatochlora coreana* Doi, 1938

English Common Name: Brilliant Emerald

Material Examined: Glassine (3)

*Somatochlora minor* Calvert, 1898

English Common Name: Ocellated Emerald

Material Examined: Glassine (6)

*Somatochlora ozarkensis* Bird, 1933

Type Material: CUIC #3020, Paratype

English Common Name: Ozark Emerald

*Somatochlora semicircularis* (Selys, 1871)

Synonyms: *Epitheca semicircularis* Selys, 1871; *Epitheca nasalis* Selys, 1874

English Common Name: Mountain Emerald

Material Examined: Pinned (2), Glassine (11)

*Somatochlora tenebrosa* (Say, 1840)

Synonyms: *Libellula tenebrosa* Say, 1840

English Common Name: Clamp-tipped Emerald

Material Examined: Pinned (2), Glassine (8), Exuviae (1)

*Somatochlora viridiaenea* (Uhler, 1858)

Synonyms: *Cordulia viridiaenea* Uhler, 1858; *Somatochlora atrovirens* Selys, 1883

Material Examined: Slide (wing)

*Somatochlora walshii* (Scudder, 1866)

Synonyms: *Cordulia walshii* Scudder, 1866

English Common Name: Brush-tipped Emerald

Material Examined: Pinned (1), Glassine (3)

*Somatochlora whitehousei* Walker, 1925

English Common Name: Whitehouse's Emerald

Material Examined: Glassine (3)

*Somatochlora williamsoni* Walker, 1907

English Common Name: Williamson's Emerald

Material Examined: Glassine (12)

***Williamsonia*** Davis, 1913

*Williamsonia lintneri* (Hagen, in Selys, 1878)

Synonyms: *Cordulia lintneri* Hagen in Selys, 1878

English Common Name: Ringed Boghunter

Material Examined: Pinned (1), Exuviae (4)

## **Gomphidae**

***Anisogomphus*** Selys, 1858

*Anisogomphus maacki* (Selys in Selys & McLachlan, 1872)

Synonyms: *Gomphus maacki* Selys in Selys & McLachlan, 1872; *Gomphus m-flavum* Selys, 1878; *Temnogomphus amurensis* Bartenev, 1930; *Gomphus emarginatus* Okumura, 1937

English Common Name:

Material Examined: Slide (leg)

*Anisogomphus occipitalis* (Selys, 1854)

Synonyms: *Gomphus occipitalis* Selys, 1854

English Common Name: Shivalik Clubtail

Material Examined: Glassine (1)

***Aphylla*** Selys, 1854

*Aphylla caraiba* Selys, 1854

Synonyms: *Cyclophylla cubana* Navás, 1917

Material Examined: Pinned (2; +terminalia), Glassine (6), Slide (mouthparts)

*Aphylla dentata* Selys, 1859

Synonyms: *Aphylla simulata* Belle, 1964

Material Examined: Pinned (2), Glassine (6), Slide (wing)

*Aphylla producta* Selys, 1854

Synonyms: ?*Gomphoides curvata* Navás, 1933

Material Examined: Glassine (1), Slide (wing)

*Aphylla protracta* (Hagen in Selys, 1859)

Synonyms: *Cyclophylla protracta* Hagen in Selys, 1859; *Gomphoides ambigua* Selys, 1873

English Common Name: Narrow-Striped Forceptail

Material Examined: Pinned (3), Glassine (1), Slide (wing)

*Aphylla williamsoni* (Gloyd, 1936)

Synonyms: *Gomphoides williamsoni* Gloyd, 1936

Type Material: CUIC #3098, Paratype

English Common Name: Two-Striped Forceptail

Material Examined: Pinned (1), Glassine (6), Exuviae (2)

*Archaeogomphus* Williamson, 1919

*Archaeogomphus hamatus* (Williamson, 1918)

Synonyms: *Agriogomphus hamatus* Williamson, 1918

Material Examined: Glassine (1), Slide (wing)

*Archaeogomphus nanus* Needham, 1944

Type Material: CUIC #3085, Allotype/Holotype

Material Examined: Slide (wing)

*Arigomphus* Needham, 1897

*Arigomphus cornutus* (Tough, 1900)

Synonyms: *Gomphus cornutus* Tough, 1900

English Common Name: Horned Clubtail

Material Examined: Glassine (5), Slide (wing)

*Arigomphus furcifer* (Hagen, in Selys, 1878)

Synonyms: *Gomphus furcifer* Hagen in Selys, 1878

English Common Name: Lilypad Clubtail

Material Examined: Glassine (7), Slide (wing)

*Arigomphus lentulus* (Needham, 1902)

Synonyms: *Gomphus lentulus* Needham, 1902; *Gomphus subapicalis* Williamson, 1914

English Common Name: Stillwater Clubtail

Material Examined: Glassine (3), Slide (wing)

*Arigomphus maxwelli* (Ferguson, 1950)

Synonyms: *Gomphus maxwelli* Ferguson, 1950

Type Material: CUIC #3100, Paratype

English Common Name: Bayou Clubtail

Material Examined: Glassine (1), Slide (wing)

*Arigomphus pallidus* (Rambur, 1842)

Synonyms: *Gomphus pallidus* Rambur, 1842; *Gomphus pilipes* Hagen in Selys, 1858

English Common Name: Gray-green Clubtail

Material Examined: Pinned (2), Glassine (8), Exuviae (4), Slide (wing)

*Arigomphus submedianus* (Williamson, 1914)

Synonyms: *Gomphus submedianus* Williamson, 1914

English Common Name: Jade Clubtail

Material Examined: Glassine (2), Slide (wing)

*Arigomphus villosipes* (Selys, 1854)

Synonyms: *Gomphus villosipes* Selys, 1854

English Common Name: Unicorn Clubtail

Material Examined: Pinned (2), Glassine (~60), Exuviae (52), Slide (wing)

*Asiagomphus* Asahina, 1985

*Asiagomphus melaenops* (Selys, 1854)

Synonyms: *Gomphus melaenops* Selys, 1854

Material Examined: Pinned (1), Slide (wing)

*Asiagomphus septimus* (Needham, 1930)

Synonyms: *Gomphus septimus* Needham, 1930

Type Material: CUIC #970, Holotype

*Asiagomphus somnolens* (Needham, 1930)

Synonyms: *Gomphus somnolens* Needham, 1930

Type Material: CUIC #989, Holotype

***Austrogomphus*** Selys, 1854

*Austrogomphus ochraceus* (Selys, 1869)

Synonyms: *Hemigomphus ochraceus* Selys, 1869

English Common Name: Jade Hunter

Material Examined: Glassine (5), Slide (wing)

***Burmagomphus*** Williamson, 1907

*Burmagomphus arvalis* (Needham, 1930)

Synonyms: *Gomphus arvalis* Needham, 1930

Type Material: CUIC #968, Holotype

*Burmagomphus collaris* (Needham, 1930)

Synonyms: *Gomphus collaris* Needham, 1929; *Gomphus campestris* Needham, 1929

Type Material: CUIC #967, Paratype/Holotype (*Burmagomphus campestris*)

Material Examined: Pinned (1), Slide (wing)

*Burmagomphus intinctus* (Needham, 1930)

Synonyms: *Gomphus intinctus* Needham, 1930

Type Material: CUIC #952, Holotype

Material Examined: Slide (wing)

*Burmagomphus laidlawi* Fraser, 1924

Material Examined: Glassine (1)

*Burmagomphus pyramidalis* Laidlaw, 1922

Material Examined: Glassine (1)

*Burmagomphus sowerbyi* (Needham, 1930)

Synonyms: *Gomphus sowerbyi* Needham, 1930

Type Material: CUIC #985, Holotype/Paratype

*Cyanogomphus* Selys, 1873

*Cyanogomphus waltheri* Selys, 1873

Material Examined: Slide (wing)

*Cyclogomphus* Selys, 1854

*Cyclogomphus ypsilon* Selys, 1854

Synonyms: *Cyclogomphus vesiculosus* Selys, 1873

Material Examined: Slide (wing)

***Davidius*** Selys, 1878

*Davidius fruhstorferi* Martin, 1904

Synonyms: *Gomphus junior* Navás, 1936; *Davidius serenus* Needham, 1944

Material Examined: Glassine (4)

*Davidius zallorensis* Hagen in Selys, 1878

Material Examined: Slide (wing)

***Diaphlebia*** Selys, 1854

*Diaphlebia angustipennis* Selys, 1854

Synonyms: *Diaphlebia semilibera* Selys, 1869; *Zonophora rokitanskyi* St. Quentin, 1973

Material Examined: Glassine (1)

***Dromogomphus*** Selys, 1854

*Dromogomphus armatus* Selys, 1854

English Common Name: Southeastern Spinyleg

Material Examined: Pinned (1), Glassine (2), Exuviae (2), Slide (wing)

*Dromogomphus spinosus* Selys, 1854

English Common Name: Black-shouldered Spinyleg

Material Examined: Pinned (4), Glassine (26), Exuviae (3), Slide (wing)

*Dromogomphus spoliatus* (Hagen, in Selys, 1858)

Synonyms: *Gomphus spoliatus* Hagen in Selys, 1858

English Common Name: Flag-tailed Spinyleg

Material Examined: Glassine (~20), Slide (wing)

*Ebegomphus* Needham, 1944

*Ebegomphus demerarae* (Selys, 1894)

Synonyms: *Cyanogomphus demerarae* Selys, 1894; *Ebegomphus strumens* Needham,  
1944

Type Material: CUIC #3086, Holotype (*Ebegomphus strumens*)

Material Examined: Slide (wing)

*Eogomphus* Needham, 1941

*Eogomphus neglectus* (Needham, 1930)

Synonyms: *Gomphus neglectus* Needham, 1930

Type Material: CUIC #987, Paratype

*Epigomphus* Hagen in Selys, 1854

*Epigomphus paludosus* Hagen in Selys, 1854

Material Examined: Slide (wing)

*Epigomphus pechumani* Bell, 1970

Type Material: CUIC #4589, Holotype

*Erpetogomphus* Selys, 1858

*Erpetogomphus compositus* Hagen, in Selys, 1858

Synonyms: *Erpetogomphus coluber* Williamson & Williamson, 1930

English Common Name: White-Belted Ringtail

Material Examined: Glassine (18), Slide (wing)

*Erpetogomphus cophias* Selys, 1858

Material Examined: Glassine (1)

Notes: only a wing

*Erpetogomphus crotalinus* (Hagen, in Selys, 1854)

Synonyms: *Ophiogomphus crotalinus* Hagen in Selys, 1854

English Common Name: Yellow-legged Ringtail

Material Examined: Glassine (2)

*Erpetogomphus designatus* Hagen, in Selys, 1858

English Common Name: Eastern ringtail

Material Examined: Pinned (2), Glassine (30), Slide (wing)

*Erpetogomphus elaps* Selys, 1858

English Common Name: Straight-Tipped Ringtail

Material Examined: Pinned (1)

*Erpetogomphus lampropeltis* Kennedy, 1918

Synonyms: *Erpetogomphus natrix* Williamson & Williamson, 1930

English Common Name: Serpent Ringtail

Material Examined: Pinned (2), Slide (wing)

*Erpetogomphus sipedon* Calvert, 1905

Type Material: CUIC #6571, Paratype

Material Examined: Glassine (1)

*Euthygomphus* Kosterin, 2016

*Euthygomphus martini* (Fraser, 1922)

Synonyms: *Platygomphus martini* Fraser, 1922; *Burmagomphus duarensis* Fraser, 1922

Material Examined: Slide (wing)

*Gastrogomphus* Needham, 1941

*Gastrogomphus abdominalis* (McLachlan, 1884)

Synonyms: *Gomphus abdominalis* McLachlan, 1884

Material Examined: Pinned (1), Slide (wing)

*Gomphidia* Selys, 1854

*Gomphidia confluens* Selys, 1878

Material Examined: Pinned (2), Glassine (2), Slide (wing)

*Gomphidia kirschii* Selys, 1878

Synonyms: *Mitragomphus ganzanus* Needham, 1944; *Gomphidia platerosi* Asahina, 1980

Material Examined: Pinned (1), Glassine (9), Slide (wing)

*Gomphidia kodaguensis* Fraser, 1923

Material Examined: Glassine (1)

*Gomphidia krugeri* Martin, 1904

Material Examined: Glassine (1), Slide (wing)

***Gomphurus*** Needham, 1901

*Gomphurus crassus* (Hagen, in Selys, 1878)

Synonyms: *Gomphus crassus* Hagen in Selys, 1878; *Gomphus walshii* Kellicott, 1899

English Common Name: Handsome Clubtail

Material Examined: Pinned (2), Glassine (5), Exuviae (1), Slide (wing)

*Gomphurus dilatatus* (Rambur, 1842)

Synonyms: *Gomphus dilatatus* Rambur, 1842

English Common Name: Blackwater Clubtail

Material Examined: Pinned (2), Glassine (10), Exuviae (3), Slide (wing)

*Gomphurus externus* (Hagen, in Selys, 1858)

Synonyms: *Gomphus externus* Hagen in Selys, 1858; *Gomphus consobrinus* Walsh, 1863

English Common Name: Plains Clubtail

Material Examined: Pinned (2), Glassine (6), Exuviae (1), Slide (abdomen, leg, wing)

*Gomphurus fraternus* (Say, 1840)

Synonyms: *Aeshna fraterna* Say, 1840; *Gomphus fraternus manitobanus* Walker, 1958

English Common Name: Midland Clubtail

Material Examined: Glassine (6), Exuviae (21), Slide (leg, wing)

*Gomphurus hybridus* (Williamson, 1902)

Synonyms: *Gomphus hybridus* Williamson, 1902

Type Material: CUIC #3118, Paratype

English Common Name: Cocoa Clubtail

Material Examined: Glassine (2), Exuviae (4), Slide (wing)

*Gomphurus lineatifrons* (Calvert, 1912)

Synonyms: *Gomphus lineatifrons* Calvert, 1921

English Common Name: Splendid Clubtail

Material Examined: Glassine (3), Slide (wing)

*Gomphurus modestus* (Needham, 1942)

Synonyms: *Gomphus modestus* Needham, 1942

Type Material: CUIC #3117, Holotype

English Common Name: Gulf Coast Clubtail

*Gomphurus septima* (Westfall, 1956)

Synonyms: *Gomphus septima* Westfall, 1956; *Gomphurus secundus* Steinmann, 1997;

*Gomphus septima delawarensis* Donnelly & Carle, 2000

English Common Name: Septima's Clubtail

Material Examined: Glassine (1)

*Gomphurus vastus* (Walsh, 1862)

Synonyms: *Gomphus vastus* Walsh, 1862

English Common Name: Cobra Clubtail

Material Examined: Pinned (1), Glassine (7), Exuviae (10), Slide (wing)

*Gomphurus ventricosus* (Walsh, 1863)

Synonyms: *Gomphus ventricosus* Walsh, 1863

English Common Name: Skillet Clubtail

Material Examined: Glassine (6), Slide (wing)

***Gomphus*** Leach in Brewster, 1815

*Gomphus graslinii* Rambur, 1842

English Common Name: Pronged Clubtail

Material Examined: Exuviae (1), Slide (wing)

*Gomphus lucasii* Selys, in Lucas, 1849

English Common Name: Algerian Clubtail

Material Examined: Exuviae (1), Slide (other)

*Gomphus pulchellus* Selys, 1840

Synonyms: *Aeschna anguina* Charpentier, 1840

English Common Name: Western Clubtail

Material Examined: Exuviae (4), Slide (wing)

*Gomphus simillimus* Selys, 1840

Synonyms: *Gomphus zebratus* Rambur, 1842; *Gomphus simillimus maroccanus*

Lieftinck, 1966

English Common Name: Yellow Clubtail

Material Examined: Exuviae (1), Slide (wing)

*Gomphus vulgatissimus* (Linnaeus, 1758)

Synonyms: *Libellula vulgatissima* Linnaeus, 1758

English Common Name: Common Clubtail

Material Examined: Exuviae (2), Slide (wing)

***Hagenius*** Selys, 1854

*Hagenius brevistylus* Selys, 1854

English Common Name: Dragonhunter

Material Examined: Pinned (3), Glassine (12), Exuviae (22), Slide (wing)

***Heliogomphus*** Laidlaw, 1922

*Heliogomphus bakeri* Laidlaw, 1925

English Common Name:

Material Examined: Slide (leg, wing)

*Heliogomphus promelas* (Selys, 1873)

Synonyms: *Gomphus promelas* Selys, 1873

English Common Name:

Material Examined: Slide (wing)

*Heliogomphus scorio* (Ris, 1912)

Synonyms: *Leptogomphus scorio* Ris, 1912; *Davidius unicornis* Needham, 1930

Type Material: CUIC #986, Holotype (*Davidius unicornis*)

English Common Name: South China Grappletail

***Hemigomphus*** Selys, 1854

*Hemigomphus heteroclytus* Selys, 1854

English Common Name: Stout Vicetail

Material Examined: Slide (wing)

***Hylogomphus*** Needham, Westfall & May, 2000

*Hylogomphus abbreviatus* (Hagen, in Selys, 1878)

Synonyms: *Gomphus abbreviatus* Hagen in Selys, 1878

English Common Name: Spine-crowned Clubtail

Material Examined: Exuviae (3), Slide (wing)

*Hylogomphus adelphus* (Selys, 1858)

Synonyms: *Gomphus adelphus* Selys, 1858; *Gomphus brevis* Hagen in Selys, 1878

English Common Name: Mustached Clubtail

Material Examined: Pinned (2), Glassine (3), Slide (wing)

*Hylogomphus geminatus* (Carle, 1979)

Synonyms: *Gomphus genimatus* Carle, 1979

Type Material: CUIC #5739, Paratype

English Common Name: Twin-striped Clubtail

Material Examined: Glassine (2)

*Hylogomphus parvidens* (Currie, 1917)

Synonyms: *Gomphus parvidens* Currie, 1917; *Gomphus carolinus* Carle, 1979 (nec Hagen, 1885)

Type Material: CUIC #5740, Paratype (*Gomphus carolinus*)

English Common Name: Piedmont Clubtail

Material Examined: Pinned (5), Exuviae (2)

*Hylogomphus viridifrons* (Hine, 1901)

Synonyms: *Gomphus viridifrons* Hine, 1901

English Common Name: Green-faced Clubtail

Material Examined: Glassine (1), Slide (wing)

***Ictinogomphus*** Cowley, 1934

*Ictinogomphus australis* (Selys, 1873)

Synonyms: *Ictinus australis* Selys, 1873

English Common Name: Australian Tiger

Material Examined: Glassine (1)

*Ictinogomphus decoratus* (Selys, 1854)

Synonyms: *Ictinus decoratus* Selys, 1854; *Ictinus melaenops* Selys, 1858

English Common Name: Common Flangetail

Material Examined: Glassine (2)

*Ictinogomphus rapax* (Rambur, 1842)

Synonyms: *Diastatomma rapax* Rambur, 1842; *Ictinus vorax* Rambur, 1842; *Ictinus praecox* Hagen in Selys, 1854

Material Examined: Pinned (2), Glassine (10), Slide (wing)

*Ictinogomphus tenax* (Hagen, in Selys, 1854)

Synonyms: *Ictinus tenax* Hagen in Selys, 1854

Material Examined: Glassine (1), Slide (wing)

***Labrogomphus*** Needham, 1931

*Labrogomphus torvus* Needham, 1931

Type Material: CUIC #3093, Holotype

English Common Name: Marauder Clubtail

Material Examined: Slide (wing)

***Lamelligomphus*** Fraser, 1922

*Lamelligomphus formosanus* (Matsumura, in Oguma, 1926)

Synonyms: *Lindenia formosana* Matsumura in Oguma, 1926; *Onychogomphus micans*

Needham, 1930; *Lamelligomphus jiuquensis* Liu, 1993

Material Examined: Glassine (1)

*Lamelligomphus ringens* (Needham, 1930)

Synonyms: *Onychogomphus ringens* Needham, 1930

Type Material: CUIC #950, Holotype

Material Examined: Glassine (2)

***Lanthus*** Needham, 1897

*Lanthus parvulus* (Selys, 1854)

Synonyms: *Gomphus parvulus* Selys, 1854

English Common Name: Northern Pygmy Clubtail

Material Examined: Pinned (6), Glassine (7), Exuviae (5), Slide (wing)

*Lanthus vernalis* Carle, 1980

Type Material: CUIC #5650, Paratype

English Common Name: Southern Pygmy Clubtail

Material Examined: Glassine (4), Exuviae (2)

*Leptogomphus* Selys, 1878

*Leptogomphus celebratus* Chao, 1982

Synonyms: *Leptogomphus hainanensis* Chao, 1984

Type Material: CUIC #3091, Holotype (*Leptogomphus hainanensis*)

Material Examined: Glassine (1)

*Leptogomphus elegans* Lieftinck, 1948

Material Examined: Glassine (3)

Notes: 2 specimens labelled as *Leptogomphus robustus* Lieftinck, 1947 identified as *L. elegans* by Hao-Miao Zhang with the assistance of Dennis Paulson.

*Leptogomphus perforatus* Ris, 1912

Material Examined: Glassine (1)

*Leptogomphus sauteri* Ris, 1912

Synonyms: *Leptogomphus formosanus* Matsumura in Oguma, 1926

Material Examined: Slide (wing)

***Lindenia*** de Haan, 1826

*Lindenia tetrphylla* (Vander Linden, 1825)

Synonyms: *Aeshna tetrphylla* Vander Linden, 1825; *Aeshna phyllura* von Eichwald, 1830; *Ictinus praedator* Rambur, 1842; *Lindenia quadrifoliata* Eversmann, 1854;

*Lindenia inkitii* Bartenev, 1929

Material Examined: Slide (wing)

***Macrogomphus*** Selys, 1858

*Macrogomphus annulatus* (Selys, 1854)

Synonyms: *Heterogomphus annulatus* Selys, 1854; *Macrogomphus keiseri* Lieftinck, 1955

Material Examined: Glassine (1), Slide (wing)

***Megalogomphus*** Campion, 1923

*Megalogomphus hannynghoni* (Fraser, 1923)

Synonyms: *Heterogomphus hannynghoni* Fraser, 1923

Material Examined: Glassine (1)

*Megalogomphus sommeri* (Selys, 1854)

Synonyms: *Heterogomphus sommeri* Selys, 1854

English Common Name:

Material Examined: Slide (wing)

***Melanocacus*** Belle, 1986

*Melanocacus mungo* (Needham, 1940)

Synonyms: *Cacus mungo* Needham, 1940

Type Material: CUIC #3141, Paratype

Material Examined: Pinned (4), Exuviae (1)

***Melligomphus*** Chao, 1990

*Melligomphus ardens* (Needham, 1930)

Synonyms: *Onychogomphus ardens* Needham, 1930

Type Material: CUIC #951, Holotype/Paratype

Material Examined: Glassine (1)

*Melligomphus dolus* (Needham, 1930)

Synonyms: *Gomphus dolus* Needham, 1930

Type Material: CUIC #954, Holotype

*Melligomphus sinicus* (Chao, 1954)

Synonyms: *Ophiogomphus sinicus* Chao, 1954; *Onychogomphus sinicus* Chao, 1954;

*Onychogomphus procteri* Chao, 1954

Type Material: CUIC #3090, Paratype (*Onychogomphus procteri*, Chao 1954)

Material Examined: Glassine (1)

Notes: 1 specimen, labelled as *Onychogomphus procteri* identified as *Ophiogomphus sinicus* by Hao-Miao Zhang with the assistance of Dennis Paulson.

***Merogomphus*** Martin, 1904

*Merogomphus torpens* (Needham, 1930)

Synonyms: *Gomphus torpens* Needham, 1930

Type Material: CUIC #3727, Holotype

*Merogomphus vandykei* Needham, 1930

English Common Name:

Material Examined: Slide (wing)

***Neogomphus*** Selys, 1858

*Neogomphus bidens* Selys, 1878

Material Examined: Slide (wing)

*Neogomphus molestus* (Hagen in Selys, 1854)

Synonyms: *Hemigomphus molestus* Hagen in Selys, 1854; *Hemigomphus elegans* Selys, 1854

Material Examined: Slide (wing)

***Nihonogomphus*** Oguma, 1926

*Nihonogomphus brevipennis* (Needham, 1930)

Synonyms: *Gomphus brevipennis* Needham, 1930; *Nihonogomphus hummeli* Sjöstedt, 1932

Type Material: CUIC #965, Holotype/Paratype

***Octogomphus*** Selys, 1873

*Octogomphus specularis* (Hagen, in Selys, 1859)

Synonyms: *Neogomphus specularis* Hagen in Selys, 1859

English Common Name: Grappletail

Material Examined: Glassine (3), Slide (wing)

***Onychogomphus*** Selys, 1854

*Onychogomphus forcipatus* (Linnaeus, 1758)

Synonyms: *Libellula forcipata* Linnaeus, 1758; *Libellula viridicincta* Retzius, 1783;

*Libellula unguiculata* Vander Linden, 1820; *Aeschna hamata* Charpentier, 1825;

*Gomphus siculus* Selys, 1858; *Gomphus forcipatus meridional* Stein, 1863;

*Ophiogomphus consobrinus* Kolbe, 1885; *Ophiogomphus socialis* Kolbe, 1885;

*Onychogomphus forcipatus albotibialis* Schmidt, 1954; *Onychogomphus forcipatus*

*cypricus* Schmidt, 1954; *Onychogomphus forcipatus lucidostriatus* Schmidt, 1954

English Common Name: Small Pincertail

Material Examined: Glassine (1), Slide (wing)

*Onychogomphus uncatatus* (Charpentier, 1840)

Synonyms: *Aeschna uncata* Charpentier, 1840; *Aeshna unguiculata* Fonscolombe, 1838

(nec Vander Linden, 1820; *Gomphus occitanicus* Rambur, 1842)

English Common Name: Large Pincertail

Material Examined: Glassine (1)

***Ophiogomphus*** Selys, 1854

*Ophiogomphus anomalus* Harvey, 1898

English Common Name: Extra-striped Snaketail

Material Examined: Glassine (1), Slide (wing)

*Ophiogomphus arizonicus* Kennedy, 1917

English Common Name: Arizona Snaketail

Material Examined: Glassine (1), Slide (wing)

*Ophiogomphus aspersus* Morse, 1895

English Common Name: Brook Snaketail

Material Examined: Glassine (4), Slide (wing)

*Ophiogomphus bison* Selys, 1873

Synonyms: *Ophiogomphus sequoiarum* Butler 1914

Type Material: CUIC #3099, Holotype/Paratype (*Ophiogomphus sequoiarum*)

English Common Name: Bison Snaketail

Material Examined: Pinned (1), Glassine (4), Slide (wing)

*Ophiogomphus carolus* Needham, 1897

Type Material: CUIC #3075, Paratype

English Common Name: Riffle Snaketail

Material Examined: Pinned (7), Glassine (18), Exuviae (55), Slide (abdomen, leg, wing)

*Ophiogomphus cecilia* (Geoffroy in Fourcroy, 1785)

Synonyms: *Libellula cecilia* Geoffroy in Fourcroy, 1785; *Aeschna serpentina*

Charpentier, 1825; *Aeshna spectabilis* Eversmann, 1841; *Paradigma bucheckerii*

Buchecker, 1876; *Ophiogomphus bellicosus* Voronocovsky, 1909

English Common Name: Green Snaketail

Material Examined: Slide (wing)

*Ophiogomphus colubrinus* Selys, 1854

English Common Name: Boreal Snaketail

Material Examined: Glassine (4), Slide (wing)

*Ophiogomphus incurvatus* Carle, 1982

Synonyms: *Ophiogomphus incurvatus alleghaniensis* Carle, 1982

Type Material: CUIC #5651, Paratype (*Ophiogomphus incurvatus incurvatus*); CUIC #5652 (*Ophiogomphus incurvatus alleghaniensis*)

English Common Name: Appalachian Snaketail, Allegheny Snaketail

Material Examined: Glassine (2)

*Ophiogomphus mainensis* Packard, in Walsh, 1863

Synonyms: *Ophiogomphus johannus* Needham, 1897; *Ophiogomphus mainensis fastigiatus* Donnelly, 1987

Type Material: CUIC #3076, Holotype (*Ophiogomphus johannus*)

English Common Name: Maine Snaketail

Material Examined: Glassine (1), Slide (labium, wing)

*Ophiogomphus morrisoni* Selys, 1879

Synonyms: *Ophiogomphus morrisoni nevadensis* Kennedy, 1917

English Common Name: Great Basin Snaketail

Material Examined: Glassine (7), Slide (wing)

*Ophiogomphus occidentis* Hagen, 1885

Synonyms: *Gomphus occidentis* Hagen, 1885; *Ophiogomphus phaleratus* Needham, 1902; *Ophiogomphus occidentis californicus* Kennedy, 1917

Type Material: CUIC #3963, Holotype (*Ophiogomphus phaleratus*)

English Common Name: Sinuous Snaketail

Material Examined: Pinned (1), Glassine (1), Slide (wing)

*Ophiogomphus rupinsulensis* (Walsh, 1862)

Synonyms: *Erpetogomphus? rupinsulensis* Walsh, 1862; *Gomphus carolinus* Hagen, 1885; *Herpetogomphus pictus* Needham, 1897

Type Material: CUIC #3962, Holotype (*Herpetogomphus pictus*)

Material Examined: Pinned (1), Glassine (7), Slide (wing)

*Ophiogomphus severus* Hagen in Hayden, 1876

Synonyms: *Ophiogomphus montanus* Selys, 1878

Type Material: CUIC #

English Common Name: Pale Snaketail

Material Examined: Glassine (25), Exuviae (2), Slide (wing)

*Ophiogomphus spinicornis* Selys, 1878

Material Examined: Slide (wing)

***Paragomphus*** Cowley, 1934

*Paragomphus balneorum* (Needham and Gyger, 1937)

Synonyms: *Mesogomphus balneorum* Needham and Gyger, 1937

Type Material: CUIC #3092, Holotype/Paratype

*Paragomphus hoffmanni* (Needham, 1931)

Synonyms: *Gomphus hoffmanni* Needham, 1931; *Mesogomphus rusticatus* Fraser, 1928

Type Material: CUIC #3089, Holotype

*Paragomphus lineatus* (Selys, 1850)

Synonyms: *Gomphus lineatus* Selys, 1850

English Common Name: Lined Hooktail

Material Examined: Glassine (1)

*Paragomphus pardalinus* Needham, 1942

Synonyms: *Paragomphus wuzhishanensis* Liu, 1988

Type Material: CUIC #3935, Holotype

***Phanogomphus*** Carle, 1986

*Phanogomphus australis* (Needham, 1897)

Synonyms: *Arigomphus australis* Needham, 1897

Type Material: CUIC #737, Holotype

English Common Name: Clearlake Clubtail

Material Examined: Pinned (1), Glassine (1), Slide (wing)

*Phanogomphus borealis* (Needham, 1901)

Synonyms: *Gomphus borealis* Needham, 1901

Type Material: CUIC #738, Paratype

English Common Name: Beaverpond Clubtail

Material Examined: Glassine (10), Slide (wing)

*Phanogomphus cavillaris* (Needham, 1902)

Synonyms: *Gomphus cavillaris* Needham, 1902; *Gomphus brimleyi* Muttowski, 1911

Type Material: CUIC #734, Allotype, Paratype, Holotype

English Common Name: Sandhill Clubtail

Material Examined: Pinned (1), Glassine (89), Slide (wing)

*Phanogomphus descriptus* (Banks, 1896)

Synonyms: *Gomphus descriptus* Banks, 1896; *Gomphus argus* Needham, 1943;

*Gomphus mortimer* Needham, 1943

Type Material: CUIC #3077, Holotype (*Gomphus argus*); CUIC #3078, Holotype

(*P. descriptus*)

English Common Name: Harpoon Clubtail

Material Examined: Pinned (2), Glassine (25), Exuviae (22), Slide (wing)

*Phanogomphus diminutus* (Needham, 1950)

Synonyms: *Gomphus diminutus* Needham, 1950

Type Material: CUIC #2585, Holotype

English Common Name: Diminutive Clubtail

Material Examined: Glassine (1)

*Phanogomphus exilis* (Selys, 1854)

Synonyms: *Gomphus exilis* Selys, 1854; *Gomphus flavocaudatus* Walker, 1940

English Common Name: Lancet Clubtail

Material Examined: Pinned (2), Glassine (47), Exuviae (30), Slide (wing)

*Phanogomphus graslinellus* (Walsh, 1862)

Synonyms: *Gomphus graslinellus* Walsh, 1862

English Common Name: Pronghorn Clubtail

Material Examined: Pinned (2), Glassine (31), Exuviae (9), Slide (wing)

*Phanogomphus hodgesi* (Needham, 1950)

Synonyms: *Gomphus hodgesi* Needham, 1950

Type Material: CUIC #3961, Paratype

English Common Name: Hodge's Clubtail

Material Examined: Glassine (1)

*Phanogomphus kurilis* (Hagen, in Selys, 1854)

Synonyms: *Gomphus kurilis* Hagen in Selys, 1858; *Gomphus confraternus* Selys, 1873;

*Gomphus sobrinus* Selys, 1873; *Gomphus donneri* Kennedy, 1917

English Common Name: Pacific Clubtail

Material Examined: Pinned (3), Glassine (15), Slide (wing)

*Phanogomphus lividus* (Selys, 1854)

Synonyms: *Gomphus lividus* Selys, 1854; *Gomphus sordidus* Hagen in Selys, 1854;

*Gomphus umbratus* Needham, 1897

Type Material: CUIC #3964, Paratype (*Gomphus umbratus*)

English Common Name: Ashy Clubtail

Material Examined: Pinned (5), Glassine (33), Exuviae (22), Slide (wing)

*Phanogomphus militaris* (Hagen, in Selys, 1858)

Synonyms: *Gomphus militaris* Hagen in Selys, 1858

English Common Name: Sulphur-tipped Clubtail

Material Examined: Glassine (27), Slide (wing)

*Phanogomphus minutus* (Rambur, 1842)

Synonyms: *Gomphus minutus* Rambur, 1842

English Common Name: Cypress Clubtail

Material Examined: Glassine (28), Exuviae (5), Slide (wing)

*Phanogomphus oklahomensis* (Pritchard, 1935)

Synonyms: *Gomphus oklahomensis* Pritchard, 1935

English Common Name: Oklahoma Clubtail

Material Examined: Glassine (6)

*Phanogomphus quadricolor* (Walsh, 1863)

Synonyms: *Gomphus quadricolor* Walsh, 1863; *Gomphus alleni* Howe, 1922

English Common Name: Rapid's Clubtail

Material Examined: Glassine (2), Slide (wing)

*Phanogomphus spicatus* (Hagen, in Selys, 1854)

Synonyms: *Gomphus spicatus* Hagen in Selys, 1854

English Common Name: Dusky Clubtail

Material Examined: Pinned (3), Glassine (24), Slide (wing)

***Phyllocycla*** Calvert, 1948

*Phyllocycla anduzei* (Needham, 1943)

Synonyms: *Cyclophylla anduzei* Needham, 1943

Type Material: CUIC #3536, Holotype/Paratype

Material Examined: Glassine (1)

*Phyllocycla diphylla* (Selys, 1854)

Synonyms: *Cyclophylla diphylla* Selys, 1854

Material Examined: Slide (wing)

*Phyllocycla modesta* Belle, 1970

Type Material: CUIC #4261, Paratype

Material Examined: Glassine (1)

*Phyllocycla ophis* (Selys, 1869)

Synonyms: *Cyclophylla ophis* Selys, 1869; *Cyclophylla pachystyla* Needham, 1944

Type Material: CUIC #3087, Paratype/Holotype/Allotype (*Cyclophylla pachystyla*)

Material Examined: Glassine (2)

*Phyllocycla signata* (Hagen, in Selys, 1854)

Synonyms: *Cyclophylla signata* Hagen in Selys, 1854

Material Examined: Slide (wing)

*Phyllocycla volsella* (Calvert, 1905)

Synonyms: *Gomphoides volsella* Calvert, 1905

Material Examined: Pinned (1), Exuviae (1), Slide (wing)

***Phyllogomphoides*** Belle, 1970

*Phyllogomphoides annectens* (Selys, 1869)

Synonyms: ?*Gomphoides annectens* Selys, 1869

Material Examined: Slide (leg)

*Phyllogomphoides bifasciatus* (Hagen in Selys, 1878)

Synonyms: *Gomphoides bifasciatus* Hagen in Selys, 1878

English Common Name: Two-striped Leaf-tail

Material Examined: Glassine (5)

*Phyllogomphoides albrightii* (Needham, 1950)

Synonyms: *Gomphoides albrightii* Needham, 1950

Type Material: CUIC #2581, Holotype/Paratype/Allotype

English Common Name: Five-Striped Leaf-tail

Material Examined: Pinned (2), Glassine (25)

*Phyllogomphoides cornutifrons* (Needham, 1930)

Synonyms: *Aphylla cornutifrons* Needham, 1930

Type Material: CUIC #3142, Holotype

*Phyllogomphoides cristatus* (Needham, 1944)

Synonyms: *Gomphoides cristatus* Needham, 1944

Type Material: CUIC #3070, Holotype/Paratype/Allotype

Material Examined: Glassine (3)

*Phyllogomphoides fuliginosus* (Hagen, in Selys, 1854)

Synonyms: *Gomphoides fuliginosa* Hagen in Selys, 1854

Material Examined: Glassine (2)

*Phyllogomphoides stigmatus* (Say, 1840)

Synonyms: *Aeshna stigmata* Say, 1840

English Common Name: four striped leaftail

Material Examined: Pinned (4), Glassine (5), Slide (hammules, wing)

*Phyllogomphoides undulatus* (Needham, 1944)

Synonyms: *Gomphoides undulatus* Needham, 1944

Type Material: CUIC #3069, Holotype/Paratype

Material Examined: Glassine (3), Exuviae (4)

***Phyllogomphus*** Selys, 1854

*Phyllogomphus aethiops* Selys, 1854

Material Examined: Slide (wing)

***Progomphus*** Selys, 1854

*Progomphus alachuensis* Byers, 1939

Type Material: CUIC #3097, Paratype

English Common Name: Tawny Sanddragon

Material Examined: Glassine (37), Exuviae (14), Slide (genitalia, wing)

*Progomphus borealis* MacLachlan, in Selys, 1873

English Common Name: Gray Sanddragon

Material Examined: Pinned (2), Glassine (7), Slide (leg, wing)

*Progomphus brachycnemis* Needham, 1944

Type Material: CUIC #3071, Holotype

Material Examined: Pinned (2), Exuviae (5), Slide (wing)

*Progomphus clendoni* Calvert, 1905

Synonyms: *Progomphus williamsi* Needham, 1943

English Common Name: Zebra-striped Sanddragon

Type Material: CUIC #3074, Holotype (*Progomphus williamsi*)

Material Examined: Slide (wing)

*Progomphus complicatus* Selys, 1854

Material Examined: Pinned (2)

*Progomphus geijskesi* Needham, 1944

Type Material: CUIC #3072, Holotype

Material Examined: Slide (wings)

*Progomphus herrerae* Needham and Etcheverry, 1956

Material Examined: Glassine (4)

*Progomphus integer* Hagen, in Selys, 1878

Material Examined: Glassine (8), Slide (genitalia, wing)

*Progomphus lepidus* Ris, 1911

Material Examined: Slide (head, mouthparts, wing)

*Progomphus obscurus* (Rambur, 1842)

Synonyms: *Diastatomma obscurum* Rambur, 1842

English Common Name: Common Sanddragon

Material Examined: Pinned (1), Glassine (40), Exuviae (3), Slide (wing)

*Progomphus perpusillus* Ris, 1918

Material Examined: Slide (wing)

*Progomphus pygmaeus* Selys, 1873

Material Examined: Glassine (1)

*Progomphus risi* Williamson, 1920

English Common Name: Ris's Sanddragon

Material Examined: Slide (wing)

*Progomphus serenus* Hagen, in Selys, 1878

Material Examined: Glassine (4), Slide (wing)

*Progomphus zephyrus* Needham, 1941

Type Material: CUIC #3073, Holotype/Paratype

English Common Name: Elusive Sanddragon

Material Examined: Slide (mouthpart)

***Sieboldius*** Selys, 1854

*Sieboldius albardae* Selys, 1886

English Common Name: Great Clubtail Dragonfly

Material Examined: Slide (wing)

*Sieboldius herculeus* Needham, 1930

Type Material: CUIC #964, Holotype

Material Examined: Slide (wing)

***Sinictinogomphus*** Fraser, 1939

*Sinictinogomphus clavatus* (Fabricius, 1775)

Synonyms: *Aeshna clavata* Fabricius, 1775; *Ictinus phaleratus* Selys, 1854

English Common Name: Golden Flangetail

Material Examined: Pinned (2), Exuviae (6), Slide (wing)

***Sinogomphus*** May, 1935

*Sinogomphus scissus* (McLachlan, 1896)

Synonyms: *Gomphus scissus* McLachlan, 1896; *Sinogomphus edax* Needham, 1930;

*Sinogomphus nigrofasciatus* May, 1935; *Sinogomphus shennongjianus* Liu, 1989

Type Material: CUIC #955, Holotype (*Gomphus edax*)

***Stenogomphurus*** Carle, 1986

*Stenogomphurus consanguis* (Selys, 1879)

Synonyms: *Gomphus consanguis* Selys, 1879

English Common Name: Cherokee Clubtail

Material Examined: Glassine (2), Slide (abdomen)

***Stylogomphus*** Fraser, 1922

*Stylogomphus albistylus* (Hagen, in Selys, 1878)

Synonyms: *Gomphus albistylus* Hagen in Selys, 1878; *Gomphus naevius* Hagen in Selys, 1878

English Common Name: Eastern Least Clubtail

Material Examined: Pinned (2), Glassine (2), Slide (wing)

***Stylurus*** Needham, 1897

*Stylurus amicus* (Needham, 1930)

Synonyms: *Gomphus amicus* Needham, 1930; *Gomphus szechuanicus* Chao, 1953

Type Material: CUIC #953, Allotype/Paratype

Material Examined: Slide (wing)

*Stylurus amnicola* (Walsh, 1862)

Synonyms: *Gomphus amnicola* Walsh, 1862; *Gomphus abditus* Butler, 1914

Type Material: CUIC #733, Allotype/Holotype (*Gomphus abditus*)

English Common Name: Riverine Clubtail

Material Examined: Glassine (1), Slide (wing)

*Stylurus clathratus* (Needham, 1930)

Synonyms: *Gomphus clathratus* Needham, 1930

Type Material: CUIC #969, Holotype/Allotype/Paratype

*Stylurus endicotti* (Needham, 1930)

Synonyms: *Gomphus endicotti* Needham, 1930

Type Material: CUIC #971, Holotype

*Stylurus intricatus* (Hagen, in Selys, 1858)

Synonyms: *Gomphus intricatus* Hagen in Selys, 1858

English Common Name: Brimstone Clubtail

Material Examined: Glassine (1), Slide (wing)

*Stylurus ivae* Williamson, 1932

English Common Name: Shining Clubtail

Material Examined: Glassine (2), Slide (wing)

*Stylurus laurae* Williamson, 1932

English Common Name: Laura's Clubtail

Material Examined: Pinned (2), Glassine (2), Exuviae (5), Slide (wing)

*Stylurus notatus* (Rambur, 1842)

Synonyms: *Gomphus notatus* Rambur, 1842; *Gomphus fluvialis* Walsh, 1862;

*Gomphus jucundus* Needham, 1943

Type Material: CUIC #3079, Holotype/Allotype (*Gomphus jucundus*)

English Common Name: Elusive Clubtail

Material Examined: Exuviae (34), Slide (wing)

*Stylurus olivaceus* (Selys, 1873)

Synonyms: *Gomphus olivaceus* Selys, 1873; *Gomphus olivaceus nevadensis* Kennedy,  
1917

English Common Name: Olive Clubtail

Material Examined: Pinned (1), Glassine (2), Exuviae (2), Slide (wing)

*Stylurus plagiatus* (Selys, 1854)

Synonyms: *Gomphus plagiatus* Selys, 1854; *Gomphus elongatus* Selys, 1854

English Common Name: Russet-tipped Clubtail

Material Examined: Pinned (2), Glassine (13), Exuviae (13), Slide (wing)

*Stylurus potulentus* (Needham, 1942)

Synonyms: *Gomphus potulentus* Needham, 1942

Type Material: CUIC #3119, Holotype

English Common Name: Yellow-sided Clubtail

*Stylurus scudderi* (Selys, 1873)

Synonyms: *Gomphus scudderi* Selys, 1873

English Common Name: Zebra Clubtail

Material Examined: Pinned (2), Glassine (2), Exuviae (1), Slide (wing)

*Stylurus spiniceps* (Walsh, 1862)

Synonyms: ?*Macrogomphus spiniceps* Walsh, 1862

Type Material: CUIC #735, Paratype (*Gomphus segregans*)

English Common Name: Arrow Clubtail

Material Examined: Glassine (2), Exuviae (3), Slide (wing)

*Stylurus towensi* Gloyd, 1936

English Common Name: Towne's Clubtai

Material Examined: Glassine (1)

*Stylurus ubadschii* (Schmidt, 1953)

Synonyms: *Gomphus ubadschii* Schmidt, 1953

English Common Name: Syrian Clubtail

Material Examined: Slide (wing)

***Trigomphus*** Bartenev, 1912

*Trigomphus agricola* (Ris, 1916)

Synonyms: *Gomphus agricola* Ris, 1916

Material Examined: Pinned (3), Slide (wing)

*Trigomphus citimus* (Needham, 1931)

Synonyms: *Gomphus citimus* Needham, 1931

Type Material: CUIC #1011, Holotype

*Trigomphus hainanensis* (Zhang and Tong, 2009)

Type Material: CUIC #3091, Paratype/Holotype

*Trigomphus melampus* (Selys, 1869)

Synonyms: *Gomphus melampus* Selys, 1869; *Gomphus unifasciatus* Oguma, 1926;

*Gomphus acutus* Bartenev, 1930

Material Examined: Glassine (4)

*Trigomphus succumbens* (Needham, 1930)

Synonyms: *Gomphus succumbens* Needham, 1930

Type Material: CUIC #1010, Holotype

***Zonophora*** Selys, 1854

*Zonophora batesi* Selys, 1869

Synonyms: *Zonophora bodkini* Champion, 1920

Material Examined: Pinned (1)

*Zonophora calippus* Selys, 1869

Synonyms: *Zonophora klugi* Schmidt, 1941; *Zonophora spectabilis* Champion, 1920

Material Examined: Slide (wing)

*Zonophora surinamensis* Needham, 1944

Type Material: CUIC #3538, Holotype

## Libellulidae

*Acisoma* Rambur, 1842

*Acisoma acsalaphoides* Rambur, 1842

English Common Name: Littoral Pintail

Material Examined: Glassine (1)

*Acisoma panorpoides* Rambur, 1842

English Common Name: Asian Pintail

Material Examined: Glassine (11), Slide (mouthparts, wing)

*Aethriamanta* Kirby, 1889

*Aethriamanta brevipennis* (Rambur, 1842)

Synonyms: *Libellula brevipennis* Rambur, 1842

English Common Name: Scarlet Marsh Hawk

Material Examined: Glassine (1), Slide (wing)

*Agrionoptera* Brauer, 1864

*Agrionoptera bartola* Needham and Gyger, 1937

Type Material: CUIC #3096, Holotype

Material Examined: Slide (wing)

*Agrionoptera insignis* (Rambur, 1842)

Synonyms: *Libellula insignis* Rambur, 1842; *Agrionoptera nicobarica* Brauer, 1865;  
*Agrionoptera quatuornotata* Brauer, 1867; *Agrionoptera papuensis* Selys, 1879;  
*Agrionoptera insularis* Kirby, 1889; *Agrionoptera karschi* Förster, 1898; *Agrionoptera salomonis* Förster, 1898; *Agrionoptera insignis allogenens* Tillyard, 1908; *Agrionoptera insignis challochiton* Ris, 1915; *Agrionoptera insignis nereis* Lieftinck, 1948;  
*Agrionoptera insignis lifuana* Kimmins, 1953; *Agrionoptera guamensis* Lieftinck, 1962; *Agrionoptera insignis yapensis* Lieftinck, 1962

English Common Name: Red Swamp Dragon

Material Examined: Glassine (4), Slide (wing)

***Amphithemis*** Selys, 1891

*Amphithemis vacillans* Selys, 1891

Material Examined: Glassine (7), Slide (wing)

***Anatya*** Kirby, 1889

*Anatya guttata* (Erichson, in Schomburgk, 1848)

Synonyms: *Libellula guttata* Erichson in Schomburgk, 1848; *Agrionoptera difficilis* Selys, 1879; *Anatya anomala* Kirby, 1889; *Anatya normalis* Calvert, 1899; *Anatya theresiae* Selys, 1900

Material Examined: Glassine (2), Slide (wing)

***Brachydiplax*** Brauer, 1868

*Brachydiplax chalybea* Brauer, 1868

Synonyms: *Brachydiplax maria* Selys, 1878; *Brachydiplax chalybea flavovittata* Ris, 1911; *Brachydiplax chalybea simalura* Ris, 1915; *Planiplax okinavensis* Oguma, 1922

Material Examined: Glassine (12), Slide (wing)

*Brachydiplax duivenbodei* (Brauer, 1866)

Synonyms: *Perithemis duivenbodei* Brauer, 1866

English Common Name: Darkmouth

Material Examined: Glassine (3), Slide (wing)

*Brachydiplax sobrina* (Rambur, 1842)

Synonyms: *Libellula sobrina* Rambur, 1842; *Brachydiplax indica* Kirby, 1889;

*Brachydiplax gestroi* Selys, 1891

Material Examined: Glassine (10), Slide (wing)

*Brachymesia* Kirby, 1889

*Brachymesia furcata* (Hagen, 1861)

Synonyms: *Erythemis furcata* Hagen, 1861; *Cannacria smithii* Kirby, 1894; *Brachymesia*

*australis* Kirby, 1889

English Common Name: Red-tailed Pennant

Material Examined: Pinned (2), Glassine (1), Slide (wing)

*Brachymesia gravida* (Calvert, 1890)

Synonyms: *Leptemis gravida* Calvert, 1890

English Common Name: Four-spotted Pennant

Material Examined: Pinned (5), Glassine (59), Slide (mouthparts, wing)

*Brachymesia herbida* (Gundlach, 1889)

Synonyms: *Libellula herbida* Gundlach, 1889; *Cannacria batesii* Kirby, 1889; *Cannacria fumipennis* Currie, 1901

English Common Name: Tawny Pennant

Material Examined: Pinned (4), Glassine (31), Slide (mouthparts, wing)

***Brachythemis*** Brauer, 1868

*Brachythemis contaminata* (Fabricius, 1793)

Synonyms: *Libellula contaminata* Fabricius, 1793; *Libellula truncatula* Rambur, 1842; *Sympetrum aureolum* Navás, 1932

English Common Name: Asian Amberwing

Material Examined: Pinned (1), Glassine (~100), Slide (mouthparts, wing)

*Brachythemis fuscopalliata* (Selys, 1887)

Synonyms: *Trithemis fuscopalliata* Selys, 1887

English Common Name: Dark-winged Groundling

Material Examined: Glassine (1)

*Brachythemis lacustris* (Kirby, 1889)

Synonyms: *Trithemis lacustris* Kirby, 1889; *Termitophorba rufina* Förster, 1906

English Common Name: Red Groundling

Material Examined: Glassine (2)

*Brachythemis leucosticta* (Burmeister, 1839)

Synonyms: *Libellula leucosticta* Burmeister, 1839; *Libellula unifasciata* Rambur, 1842  
(nec De Geer, 1773)

English Common Name: Southern Banded Groundling

Material Examined: Pinned (9), Glassine (14), Slide (wing)

*Bradinopyga* Kirby, 1893

*Bradinopyga geminata* (Rambur, 1842)

Synonyms: *Libellula geminata* Rambur, 1842; *Bradinopyga saintjohanni* Baijal &  
Agarwal, 1956

English Common Name: Granite Ghost

Material Examined: Glassine (1), Slide (wing)

*Brechmorhoga* Kirby, 1894

*Brechmorhoga mendax* (Hagen, 1861)

Synonyms: *Dythemis mendax* Hagen, 1861

English Common Name: Pale-faced Clubskimmer

Material Examined: Pinned (1), Glassine (4)

*Brechmorhoga praecox* (Hagen, 1861)

Synonyms: *Dythemis praecox* Hagen, 1861; *Brechmorhoga grenadensis* Kirby, 1894;  
*Brechmorhoga postlobata* Calvert, 1898; *Scapanea archboldi* Donnelly, 1970

English Common Name: Slender Clubskimmer

Material Examined: Glassine (6), Slide (wing)

***Camacinia*** Kirby, 1889

*Camacinia gigantea* (Brauer, 1867)

Synonyms: *Neurothemis gigantea* Brauer, 1867

Material Examined: Glassine (4)

*Camacinia othello* Tillyard, 1908

Material Examined: Glassine (2), Slide (wing)

***Cannaphila*** Kirby, 1889

*Cannaphila insularis* Kirby, 1889

Synonyms: *Misagria funerea* Carpenter, 1897

English Common Name: Gray-waisted Skimmer

Material Examined: Glassine (12), Slide (wing)

*Cannaphila vibex* (Hagen, 1861)

Synonyms: *Libellula vibex* Hagen, 1861; *Libellula merida* Selys, 1868

Material Examined: Pinned (1), Glassine (1), Slide (wing)

***Celithemis*** Celithemis, 1861

*Celithemis amanda* (Hagen, 1861)

Synonyms: *Diplax amanda* Hagen, 1861; *Libellula pulchella* Burmeister, 1839 (nec Drury, 1773)

English Common Name: Amanda's Pennant

Material Examined: Pinned (4), Glassine (43), Slide (wing)

*Celithemis berth*a Williamson, 1922

Synonyms: *Celithemis berth*a *leonora* Westfall, 1952

Type Material: CUIC #3122, Paratype

English Common Name: Red-veined Pennant

Material Examined: Pinned (3), Glassine (103)

*Celithemis elisa* (Hagen, 1861)

Synonyms: *Diplax elisa* Hagen, 1861

English Common Name: Calico Pennant

Material Examined: Pinned (17), Glassine (154), Slide (wing)

*Celithemis eponina* (Drury, 1773)

Synonyms: *Libellula eponina* Drury, 1773; *Libellula camilla* Rambur, 1842; *Libellula lucilla* Rambur, 1842

English Common Name: Halloween Pennant

Material Examined: Pinned (13), Glassine (252), Exuviae (50), Slide (wing)

*Celithemis fasciata* Kirby, 1889

Synonyms: *Celithemis monomelaena* Williamson, 1910

English Common Name: Banded Pennant

Material Examined: Pinned (4), Glassine (29), Slide (mouthparts, wing)

*Celithemis martha* Williamson, 1922

English Common Name: Martha's Pennant

Material Examined: Pinned (4), Glassine (10), Slide (wing)

*Celithemis ornata* (Rambur, 1842)

Synonyms: *Libellula ornata* Rambur, 1842

English Common Name: Ornate Pennant

Material Examined: Pinned (6), Glassine (54), Exuviae (7), Slide (wing)

*Celithemis verna* Pritchard, 1935

English Common Name: Double-ringed Pennant

Material Examined: Glassine (6), Exuvia (1)

*Chalcostephia* Kirby, 1889

*Chalcostephia flavifrons* Kirby, 1889

Synonyms: *Libellula coronata* Selys, 1869 (nec Brauer, 1866); *Corduliops*

*metallica* Karsch, 1890; *Chalcostephia metallifrons* Karsch, 1890

Material Examined: Glassine (1)

***Cratilla*** Kirby, 1900

*Cratilla lineata* (Brauer, 1878)

Synonyms: *Orthemis lineata* Brauer, 1878; *Cratilla lineata calverti* Förster, 1903

Material Examined: Glassine (3), Slide (mouthparts, wing)

*Cratilla metallica* (Brauer, 1878)

Synonyms: *Orthemis metallica* Brauer, 1878

Material Examined: Glassine (2), Slide (wing)

***Crocothemis*** Brauer, 1868

*Crocothemis erythraea* (Brulle, 1832)

Synonyms: *Libellula erythrea* Brullé, 1832; *Libellula ferruginata* Fabricius, 1781;

*Libellula victoria* Geoffroy in Fourcroy, 1785; *Libellula rubra* de Villers, 1789 (nec

Müller, 1764); *Libellula ferruginea* Vander Linden, 1825 (nec Fabricius, 1793);

*Libellula coccinea* Charpentier, 1840; *Libellula inquinata* Rambur, 1842; *Orthetrum*

*lorti* Kirby, 1886

English Common Name: Broad Scarlet

Material Examined: Pinned (9), Glassine (7)

*Crocothemis servilia* (Drury, 1773)

Synonyms: *Libellula servilia* Drury, 1773; *Libellula ferruginea* Fabricius, 1793 (nec

Fabricius, 1775); *Libellula soror* Rambur, 1842; *Crocothemis reticulata* Kirby, 1886;

*Crocothemis novaguineensis* Förster, 1898; *Rhodothemis flavostigma* Navás, 1932;

*Crocothemis indica* Sahni, 1965; *Crocothemis servilia mariannae* Kiauta, 1983

English Common Name: Scarlet Skimmer/Darter

Material Examined: Pinned (14), Glassine (313), Slide (immature, mouthparts, wing)

***Dasythemis*** Karsch, 1889

*Dasythemis esmeralda* Ris, 1910

Material Examined: Glassine (2)

*Dasythemis mincki* (Karsch, 1890)

Synonyms: *Malamarptis mincki* Karsch, 1890; *Dasythemis mincki clara* Ris, 1908

English Common Name:

Material Examined: Slide (wing)

*Dasythemis venosa* (deHaan, in Burmeister, 1839)

Synonyms: *Libellula venosa* Burmeister, 1839; *Dasythemis liriopa* Karsch, 1889;

*Dasythemis macrostigma* Förster, 1907

Material Examined: Glassine (2)

***Deiella*** Kirby, 1889

*Deiella phaon* (Selys, 1883)

Synonyms: *Trithemis phaon* Selys, 1883; *Deiella fasciata* Kirby, 1889; *Leucorrhinia nebulifera* Navás, 1935

Material Examined: Glassine (15), Slide (wing)

***Diastatops*** Rambur, 1842

*Diastatops dimidiata* (Linnaeus, 1758)

Synonyms: *Libellula dimidiata* Linnaeus, 1758; *Libellula marginata*

De Geer, 1773

Material Examined: Slide (wing)

*Diastatops obscura* (Fabricius, 1775)

Synonyms: *Libellula obscura* Fabricius, 1775; *Diastatops tinctoria* Rambur, 1842

Material Examined: Glassine (12), Slide (wing)

*Diastatops pullata* (Burmeister, 1839)

Synonyms: *Libellula pullata* Burmeister, 1839; *Diastatops fuliginea* Rambur, 1842

Material Examined: Glassine (2)

***Diplacina*** Brauer, 1868

*Diplacina bolvari* Selys, 1882

Material Examined: Glassine (10), Slide (mouthparts, wing, wingpads)

*Diplacina braueri* Selys, 1882

Material Examined: Glassine (51), Slide (mouthparts, wing)

*Diplacina lisa* Needham and Gyger, 1941

Type Material: CUIC #3551, Holotype

*Diplacina militaris* Ris, 1909

Material Examined: Pinned (1)

***Diplacodes*** Kirby, 1889

*Diplacodes bipunctata* (Brauer, 1865)

Synonyms: *Libellula bipunctata* Brauer, 1865; *Sympetrum novaezealandiae* McLachlan, 1894; *Diplax pacificus* Kirby, 1884

English Common Name: Red Percher

Material Examined: Glassine (~20), Slide (wing)

*Diplacodes lefebvrii* (Rambur, 1842)

Synonyms: *Libellula lefebvrii* Rambur, 1842; *Libellula concinna* Rambur, 1842; *Libellula flavistyla* Rambur, 1842; *Libellula parvula* Rambur, 1842; *Libellula tetra* Rambur, 1842; *Libellula morio* Schneider, 1845; *Diplacodes unimacula* Förster, 1906; *Diplacodes spinulosa* Navás, 1915; *Diplacodes limbata* Fraser, 1949

English Common Name: Black Percher

Material Examined: Glassine (11)

*Diplacodes luminans* (Karsch, 1893)

Synonyms: *Sympetrum luminans* Karsch, 1893; *Philonomon erlangeri* Förster, 1906

English Common Name:

Material Examined: Slide (wing)

*Diplacodes nebulosa* (Fabricius, 1793)

Synonyms: *Libellula nebulosa* Fabricius, 1793

English Common Name: Black-tipped Darter

Material Examined: Glassine (17), Slide (wing)

*Diplacodes trivialis* (Rambur, 1842)

Synonyms: *Libellula trivialis* Rambur, 1842; ?*Libellula braminea* Fabricius, 1798;

*Libellula phalerata* Uhler, 1858; *Diplacodes remota* Ris, 1911

English Common Name: Blue Percher

Material Examined: Pinned (1), Glassine (807), Slide (abdomen, leg, wing)

***Dythemis*** Hagen, 1861

*Dythemis fugax* Hagen, 1861

English Common Name: Checkered Setwing

Material Examined: Pinned (4), Glassine (30)

*Dythemis rufinervis* (Burmeister, 1839)

Synonyms: *Libellula rufinervis* Burmeister, 1839; *Libellula conjuncta* Rambur, 1842;

*Libellula vinosa* Scudder, 1866

Material Examined: Pinned (4), Glassine (~100), Slide (wing)

*Dythemis velox* Hagen, 1861

English Common Name: Swift Setwing

Material Examined: Pinned (5), Glassine (25), Slide (abdomen, gill chamber, mouthparts, wing)

*Edonis* Needham, 1905

*Edonis helena* Needham, 1905

Type Material: CUIC #3143, Holotype

*Elasmothemis* Westfall, 1988

*Elasmothemis cannacrioides* (Calvert, 1906)

Synonyms: *Dythemis cannacrioides* Calvert, 1906

Material Examined: Glassine (4)

*Elasmothemis constricta* (Calvert, 1898)

Synonyms: *Dythemis constricta* Calvert, 1898; *Macrothemis willinki* Fraser, 1947

Material Examined: Glassine (1)

*Elga* Ris, 1911

*Elga leptostyla* Ris, 1911

Synonyms: *Elga santosi* Machado, 1954

Material Examined: Glassine (1), Slide (wing)

***Erythemis*** Hagen, 1861

*Erythemis attala* (Selys, in Sagra, 1857)

Synonyms: *Libellula attala* Selys in Sagra, 1857; *Libellula annulata* Rambur, 1842 (nec Palisot de Beauvois, 1807); *Libellula annulosa* Selys in Sagra, 1857; *Libellula mithra* Selys in Sagra, 1857

English Common Name: Black Pondhawk

Material Examined: Pinned (19), Glassine (2), Slide (wing)

*Erythemis collocata* (Hagen, 1861)

Synonyms: *Mesothemis collocata* Hagen, 1861

English Common Name: Western Pondhawk

Material Examined: Pinned (1), Glassine (2), Slide (wing)

*Erythemis credula* (Hagen, 1861)

Synonyms: *Diplax credula* Hagen, 1861

Material Examined: Pinned (1), Glassine (1), Slide (wing)

*Erythemis haematogastra* (Burmeister, 1839)

Synonyms: *Libellula haematogastra* Burmeister, 1839

English Common Name: Red Pondhawk

Material Examined: Pinned (11), Glassine (1), Slide (wing)

*Erythemis mithroides* (Brauer, 1900)

Synonyms: *Mesothemis mithroides* Brauer, 1900

English Common Name: Claret Pondhawk

Material Examined: Pinned (4), Glassine (2)

*Erythemis peruviana* (Rambur, 1842)

Synonyms: *Libellula peruviana* Rambur, 1842; ?*Libellula rubriventris* Blanchard in d'Orbigny, 1843; *Libellula bicolor* Erichson in Schomburgk 1848

English Common Name: Flame-tailed Pondhawk

Material Examined: Glassine (35), Slide (wing)

*Erythemis plebeja* (Burmeister, 1839)

Synonyms: *Libellula plebeja* Burmeister, 1839; *Leptemis verbenata* Hagen, 1861

English Common Name: Pin-tailed Pondhawk

Material Examined: Pinned (16), Glassine (40), Slide (wing)

*Erythemis simplicicollis* (Say, 1840)

Synonyms: *Libellula simplicicollis* Say, 1840; ?*Libellula imbuta* Say, 1840 (nec Burmeister, 1839); *Libellula caerulans* Rambur, 1842; *Libellula maculiventris* Rambur, 1842; *Mesothemis gundlachii* Scudder, 1866

English Common Name: Eastern Pondhawk

Material Examined: Pinned (31), Glassine (282), Exuviae (30), Slide (wing)

*Erythemis vesiculosa* (Fabricius, 1775)

Synonyms: *Libellula vesiculosa* Fabricius, 1775; *Libellula acuta* Say, 1840

English Common Name: Great Pondhawk

Material Examined: Glassine (164), Exuviae (26)

***Erythrodiplax*** Brauer, 1868

*Erythrodiplax abjecta* (Rambur, 1842)

Synonyms: *Libellula abjecta* Rambur, 1842; *Erythrodiplax ponderosa* Karsch, 1891

Material Examined: Glassine (2)

*Erythrodiplax attenuata* (Kirby, 1889)

Synonyms: *?Trithemis attenuata* Kirby, 1889; *Erythrodiplax attenuata hyalina* Sjöstedt,  
1918

Material Examined: Glassine (2), Slide (wing)

*Erythrodiplax basalis* (Kirby, 1889)

Synonyms: *Micrathyria basalis* Kirby, 1897; *?Libellula erratica* Erichson in  
Schomburgk, 1848

Type Material: CUIC #3128, Paratype

Material Examined: Pinned (2), Glassine (16), Slide (wing)

*Erythrodiplax berenice* (Drury, 1773)

Synonyms: *Libellula berenice* Drury, 1773; *Libellula histrio* Burmeister, 1839 (nec Fabricius, 1787); *Dythemis naeva* Hagen, 1861

English Common Name: Seaside Dragonlet

Material Examined: Pinned (21), Glassine (39), Slide (mouthparts, wing)

*Erythrodiplax castanea* (Burmeister, 1839)

Synonyms: *Libellula castanea* Burmeister, 1839

Material Examined: Glassine (1)

*Erythrodiplax connata* (Burmeister, 1839)

Synonyms: *Libellula connata* Burmeister, 1839; *Libellula communis* Rambur, 1842;

*Libellula chloropleura* Brauer, 1865; *Libellula leontina* Brauer, 1865

Material Examined: Glassine (3), Slide (leg, mouthparts, wing)

*Erythrodiplax famula* (Erichson in Schomburgk, 1848)

Synonyms: *Libellula famula* Erichson in Schomburgk, 1848; *Erythrodiplax ochracea aequatorialis* Ris, 1911

English Common Name: Reddish Dragonlet

Material Examined: Slide (wing)

*Erythrodiplax fervida* (Erichson, in Schomburgk, 1848)

Synonyms: *Libellula fervida* Erichson in Schomburgk, 1848; *Libellula justina* Selys in Sagra, 1857

English Common Name: Red-mantled Dragonlet

Material Examined: Glassine (1)

*Erythrodiplax funerea* (Hagen, 1861)

Synonyms: *Libellula funerea* Hagen, 1861; *Neurothemis affinis* Kirby, 1889; *Trithemis tyleri* Kirby, 1899

English Common Name: Black-winged Dragonlet

Material Examined: Glassine (4), Slide (wing)

*Erythrodiplax fusca* (Rambur, 1842)

Synonyms: *Libellula fusca* Rambur, 1842; *Libellula incompta* Rambur, 1842

English Common Name: Red-faced Dragonlet

Material Examined: Glassine (24)

*Erythrodiplax justiniana* (Selys, in Sagra, 1857)

Synonyms: *Libellula justiniana* Selys in Sagra, 1857; ?*Diplax portoricana* Kolbe, 1888

Material Examined: Pinned (1), Glassine (23), Slide (wing)

*Erythrodiplax latimaculata* Ris, 1911

Material Examined: Glassine (1)

*Erythrodiplax laurentia* Borror, 1942

Type Material: CUIC #3125, Allotype/Paratype

Material Examined: Glassine (7)

*Erythrodiplax maculosa* (Hagen, 1861)

Synonyms: *Nannophya maculosa* Hagen, 1861; *Diplacodes friedericella* Förster, 1905

Material Examined: Glassine (2), Slide (wing)

*Erythrodiplax media* Borror, 1942

Type Material: CUIC #3126, Paratype

Material Examined: Glassine (2)

*Erythrodiplax melanorubra* Borror, 1942

Type Material: CUIC #3127, Paratype

*Erythrodiplax minuscula* (Rambur, 1842)

Synonyms: *Libellula minuscula* Rambur, 1842

English Common Name: Little Blue Dragonlet

Material Examined: Pinned (5), Glassine (~75), Slide (wing)

*Erythrodiplax nigricans* (Rambur, 1842)

Synonyms: *Libellula nigricans* Rambur, 1842; *Libellula vilis* Rambur, 1842

Material Examined: Glassine (2)

*Erythrodiplax nivea* Borror, 1942

Type Material: CUIC #3124, Allotype/Holotype/Paratype

Material Examined: Glassine (1)

*Erythrodiplax ochracea* (Burmeister, 1839)

Synonyms: *Libellula ochracea* Burmeister, 1839; *Libellula distinguenda* Rambur, 1842

Material Examined: Pinned (9), Glassine (4), Slide (wing)

*Erythrodiplax pallida* (Needham, 1904)

Synonyms: *Micrathyria pallida* Needham, 1904

Type Material: CUIC #3081, Holotype

*Erythrodiplax paraguayensis* (Forster, 1905)

Synonyms: *Diplacodes paraguayensis* Förster, 1905

Material Examined: Glassine (5)

*Erythrodiplax umbrata* (Linnaeus, 1758)

Synonyms: *Libellula umbrata* Linnaeus, 1758; *Libellula unifasciata* De Geer, 1773;

*Libellula fallax* Burmeister, 1839; *Libellula ruralis* Burmeister, 1839; *Libellula subfasciata* Burmeister, 1839; *Libellula tripartita* Burmeister, 1839; *Libellula flavicans* Rambur, 1842; *Libellula fuscofasciata* Blanchard in d'Orbigny, 1846; *Trithemis montezuma* Calvert, 1899

English Common Name: Band-winged Dragonlet

Material Examined: Pinned (3), Glassine (364), Slide (wing)

*Erythrodiplax unimaculata* (deGeer, 1773)

Synonyms: *Libellula unimaculata* De Geer, 1773; *Libellula pulla* Burmeister, 1839;

*Micrathyria hemimelaena* Karsch, 1890; *Trithemis erichsoni* Kirby, 1894

Material Examined: Pinned (6), Slide (wing), Slide (wing)

*Erythrodiplax venusta* (Kirby, 1897)

Synonyms: *Micrathyria venusta* Kirby, 1897; ?*Libellula erratica* Erichson in

Schomburgk, 1848

Material Examined: Glassine (~20)

***Fylgia*** Kirby, 1889

*Fylgia amazonica* Kirby, 1889

Synonyms: *Nannothemis semiaurea* Karsch, 1889; *Fylgia amazonica lychnitina* De

Marmels, 1989

English Common Name: White-eyed Skimmer

Material Examined: Slide (wing)

***Gynothemis*** Calvert, 1909

*Gynothemis pumila* (Karsch, 1890)

Synonyms: *Macrothemis pumila* Karsch, 1890; *Macrothemis pumila axillata* Navás,

1924

English Common Name: Tiny Sylph

Material Examined: Glassine (1)

*Gynothemis venipunctata* Calvert, 1909

English Common Name: Dot-winged Sylph

Material Examined: Slide (wing)

***Hadrothemis*** Karsch, 1891

*Hadrothemis coacta* (Karsch, 1891)

Synonyms: *Thermothemis coacta* Karsch, 1891

English Common Name: Robust Jungle-Skimmer

Material Examined: Slide (wing)

***Hemistigma*** Kirby, 1889

*Hemistigma affine* (Rambur, 1842)

Synonyms: *Libellula affinis* Rambur, 1842; *Hemistigma ouvirandrae* Förster, 1914;

*Hemistigma decorata* Lacroix, 1920

Material Examined: Glassine (1), Slide (wing)

*Hemistigma albipunctum* (Rambur, 1842)

Synonyms: *Libellula albipuncta* Rambur, 1842; *Hemistigma diffinis* Selys, 1877;

*Hemistigma unilineatus* Martin, 1908; *Hemistigma neurothemoides* Fraser, 1954

English Common Name: Pied-spot

Material Examined: Glassine (7)

***Hydrobasileus*** Kirby, 1889

*Hydrobasileus croceus* (Brauer, 1867)

Synonyms: *Tramea crocea* Brauer, 1867; *Hydrobasileus extraneus* Kirby, 1893 [or  
*Tramea externa* Karsch, 1890]

English Common Name: Amber-winged Marsh Glider

Material Examined: Glassine (6), Slide (wing)

***Idiataphe*** Cowley, 1934

*Idiataphe amazonica* (Kirby, 1889)

Synonyms: *Ephidatia amazonica* Kirby, 1889

English Common Name: Amazon Pennant

Material Examined: Glassine (2)

*Idiataphe batesi* (Ris, 1913)

Synonyms: *Ephidatia batesi* Ris, 1913

English Common Name:

Material Examined: Slide (wing)

*Idiataphe cubensis* (Scudder, 1866)

Synonyms: *Macromia cubensis* Scudder, 1866

English Common Name: Metallic Pennant

Material Examined: Glassine (8), Exuviae (9), Slide (wing)

*Idiataphe longipes* (Hagen, 1861)

Synonyms: *Erythemis longipes* Hagen, 1861

Material Examined: Glassine (7), Slide (wing)

***Ladona*** Needham, 1897

*Ladona deplanata* (Rambur, 1842)

Synonyms: *Libellula deplanata* Rambur, 1842

English Common Name: Blue Corporal

Material Examined: Pinned (4), Glassine (34), Slide (wing)

*Ladona exusta* (Say, 1840)

Synonyms: *Libellula exusta* Say, 1840

English Common Name: White Corporal

Material Examined: Pinned (2), Glassine (15), Slide (wing)

*Ladona julia* (Uhler, 1857)

Synonyms: *Libellula julia* Uhler, 1857

English Common Name: Chalk-fronted Corporal

Material Examined: Pinned (5), Glassine (74), Slide (wing)

***Lathrecista*** Kirby, 1889

*Lathrecista asiatica* (Fabricius, 1798)

Synonyms: *Libellula asiatica* Fabricius, 1798; *Libellula pectoralis* Kaup in Brauer, 1867 (nec Charpentier, 1825); *Agrionoptera festa* Selys, 1879; *Agrionoptera simulans* Selys, 1879; *Lathrecista terminalis* Kirby, 1889; *Lathrecista pectoralis interposita* Förster, 1898

English Common Name: Asiatic blood-tail

Material Examined: Glassine (5), Slide (wing)

***Leucorrhinia*** Brittinger, 1850

*Leucorrhinia borealis* Hagen, 1890

English Common Name: Boreal Whiteface

Material Examined: Glassine (2), Slide (wing)

*Leucorrhinia caudalis* (Charpentier, 1840)

Synonyms: *Libellula caudalis* Charpentier, 1840; *Libellula triedra* Müller, 1764 (nomen oblitum); *Libellula hellmanni* Eversmann, 1841; *Libellula fallax* Eversmann, 1841 (nec Burmeister, 1839); *Libellula ornata* Brittinger, 1845 (nec Rambur, 1842)

English Common Name: Lilypad Whiteface

Material Examined: Glassine (2)

*Leucorrhinia dubia* (vander Linden, 1825)

Synonyms: *Libellula dubia* Vander Linden, 1825; *Libellula melanostigma* Eversmann, 1836; *Libellula sylvicola* Brittinger, 1850; *Coenotiata gonypenis* Buchecker, 1876; *Leucorrhinia tschugunovi* Bartenev, 1910; *Leucorrhinia nigra* Prueffer, 1923; *Leucorrhinia circassica* Bartenev, 1929

English Common Name: Small Whiteface

Material Examined: Glassine (2)

*Leucorrhinia frigida* Hagen, 1890

English Common Name: Frosted Whiteface

Material Examined: Pinned (5), Glassine (27), Exuviae (1), Slide (mouthparts, wing)

*Leucorrhinia glacialis* Hagen, 1890

English Common Name: Crimson-ringed Whiteface

Material Examined: Glassine (24), Exuviae (2), Slide (wing)

*Leucorrhinia hudsonica* (Selys, 1850)

Synonyms: *Libellula hudsonica* Selys, 1850; *Leucorrhinia hageni* Calvert, 1890

English Common Name: Hudsonian Whiteface

Material Examined: Pinned (1), Glassine (41), Slide (wing)

*Leucorrhinia intacta* (Hagen, 1861)

Synonyms: *Diplax intacta* Hagen, 1861

English Common Name: Dot-tailed Whiteface

Material Examined: Pinned (7), Glassine (214), Exuviae (6), Slide (wing)

*Leucorrhinia intermedia* Bartenev, 1912

Synonyms: *Leucorrhinia intermedia ijimai* Asahina, 1961

Material Examined: Glassine (1)

*Leucorrhinia pectoralis* (Charpentier, 1825)

Synonyms: *Libellula pectoralis* Charpentier, 1825; *Leucorrhinia borysthenica* Charleman & Artobolevskii, 1915; *Leucorrhinia sylvatica* Charleman & Artobolevskii, 1915

English Common Name: Yellow-spotted Whiteface

Material Examined: Glassine (1)

*Leucorrhinia proxima* Calvert, 1890

English Common Name: Belted Whiteface

Material Examined: Pinned (2), Glassine (4), Slide (wing)

***Libellula*** Linnaeus, 1758

*Libellula angelina* Selys, 1883

Synonyms: *Libellula nipponica* Kobayashi, 1941

Material Examined: Glassine (5), Slide (mouthparts, wing, wingpads)

*Libellula auripennis* Burmeister, 1839

Synonyms: *Libellula costalis* Rambur, 1842

English Common Name: Golden-winged Skimmer

Material Examined: Pinned (4), Glassine (136), Exuviae (2), Slide (wing)

*Libellula axilena* Westwood, 1837

Synonyms: *Libellula leda* Say, 1840

English Common Name: Bar-winged Skimmer

Material Examined: Pinned (3), Glassine (117), Slide (wing)

*Libellula comanche* Calvert, 1907

Synonyms: *Libellula flavida* Hagen, 1861 (nec Rambur, 1842)

English Common Name: Comanche Skimmer

Material Examined: Pinned (1), Glassine (19), Slide (wing)

*Libellula composita* (Hagen, 1873)

Synonyms: *Mesothemis composita* Hagen in Hayden, 1873

English Common Name: Bleached Skimer

Material Examined: Glassine (4), Slide (wing)

*Libellula croceipennis* Selys, 1868

Synonyms: *Belonia uniformis* Kirby, 1889; *Libellula saturata aliasignata* Muttkowski,  
1910

English Common Name:

Material Examined: Slide (wing)

*Libellula cyaenea* Fabricius, 1775

Synonyms: *Libellula quadrupla* Say, 1840; *Libellula bistigma* Uhler, 1857

English Common Name: Spangled Skimmer

Material Examined: Pinned (8), Glassine (48), Slide (wing)

*Libellula depressa* Linnaeus, 1758

Synonyms: *Libellula sylvia* Geoffroy in Fourcroy, 1785

English Common Name: Broad-bodied Chaser

Material Examined: Glassine (10), Slide (wing)

*Libellula flavida* Rambur, 1842

Synonyms: *Libellula plumbea* Uhler, 1857

English Common Name: Yellow-sided Skimmer

Material Examined: Pinned (1), Glassine (29)

*Libellula foliata* (Kirby, 1889)

Synonyms: *Belonia foliata* Kirby, 1889

English Common Name: Scarce Chaser

Material Examined: Glassine (1), Slide (wing)

*Libellula forensis* Hagen, 1861

English Common Name: Eight-spotted Skimmer

Material Examined: Pinned (2), Glassine (9), Slide (wing)

*Libellula fulva* Muller, 1764

Synonyms: *Libellula fridrischdalensis* Müller, 1764; *Libellula fugax* Harris, 1780;  
*Libellula conspurcata* Fabricius, 1798; *Libellula quadrifasciata* Donovan, 1807 (nec  
Müller, 1764); *Leptetrum rubrum* Bartenev, 1912 (or of *L. pontica*)

Material Examined: Glassine (12), Exuviae (2), Slide (wing)

*Libellula herculea* Karsch, 1889

Synonyms: *Belonia longipennis* Kirby, 1889

English Common Name: Hercules Skimmer

Material Examined: Glassine (4), Slide (wing)

*Libellula incesta* Hagen, 1861

English Common Name: Slaty Skimmer

Material Examined: Pinned (6), Glassine (~90+)

*Libellula jesseana* Williamson, 1922

English Common Name: Purple Skimmer

Material Examined: Pinned (1), Slide (wing)

*Libellula luctuosa* Burmeister, 1839

Synonyms: *Libellula basalis* Say, 1840 (nec Stephens, 1835); *Libellula odiosa* Hagen,  
1861

English Common Name: Widow Skimmer

Material Examined: Pinned (24), Glassine (~125+), Exuviae (18), Slide (wing)

*Libellula needhami* Westfall, 1943

Type Material: CUIC #2147, Allotype/Paratype/Holotype

English Common Name: Needham's Skimmer

Material Examined: Glassine (196), Exuviae (1)

*Libellula nodisticta* Hagen, 1861

English Common Name: Hoary Skimmer

Material Examined: Pinned (2), Glassine (4), Slide (wing)

*Libellula pulchella* Drury, 1773

Synonyms: *Libellula versicolor* Fabricius, 1775; *Libellula confusa* Uhler, 1857

English Common Name: Twelve-spotted Skimmer

Material Examined: Pinned (27), Glassine (148), Exuviae (28), Slide (nymph, wing)

*Libellula quadrimaculata* Linnaeus, 1758

Synonyms: *Libellula quadripunctata* Fabricius, 1781; *Libellula maculata* Harris, 1780;

*Libellula praenubila* Newman, 1833; *Libellula ternaria* Say, 1840 (part); *Libellula*

*flavescens* Brittinger, 1850 (nec Fabricius, 1798); *Libellula basilinea* McLachlan, 1894;

*Libellula contacta* Bartenev, 1930; *Libellula quadrimaculata orientalis* Belyshev,

1956; *Libellula quadrimaculata asahinai* Schmidt, 1957; *Libellula quadrimaculata*

*grigorievi* Schmidt, 1961; *Libellula relictata* Belyshev, 1973

English Common Name: Four-spotted Skimmer

Material Examined: Pinned (5), Glassine (~50), Slide (wing)

*Libellula saturata* Uhler, 1857

English Common Name: Flame Skimmer

Material Examined: Pinned (8), Glassine (141), Slide (mouthparts, wing)

*Libellula semifasciata* Burmeister, 1839

Synonyms: *Libellula bifasciata* Fabricius, 1775 (nomen oblitum); *Libellula ternaria* Say, 1840 (part); *Libellula maculata* Rambur, 1842 (nec Harris, 1780); *Libellula hersilia* Blanchard in d'Orbigny, 1861

English Common Name: Painted Skimmer

Material Examined: Pinned (4), Glassine (43), Slide (wing)

*Libellula vibrans* Fabricius, 1793

English Common Name: Great Blue Skimmer

Material Examined: Pinned (3), Glassine (50), Slide (wing)

*Lyriothemis* Brauer, 1868

*Lyriothemis cleis* Brauer, 1868

Synonyms: *Calothemis priapea* Selys, 1878; *Lyriothemis braueri* Kirby, 1889;

*Lyriothemis frontalis* Kirby, 1889

*Lyriothemis latro* Needham and Gyger, 1937

Type Material: CUIC #3560, Holotype

Material Examined: Slide (wing)

*Lyriothemis pachygastra* (Selys, 1878)

Synonyms: *Calothemis pachygastra* Selys, 1878

Material Examined: Glassine (22), Slides (mouthparts, wing)

***Macrodiplax*** Brauer, 1868

*Macrodiplax balteata* (Hagen, 1861)

Synonyms: *Tetragoneuria balteata* Hagen, 1861

English Common Name: Marl Pennant

Material Examined: Glassine (16)

*Macrodiplax cora* (Brauer, 1867)

Synonyms: *Diplax cora* Kaup in Brauer, 1867; *Libellula lycoris* Selys, 1872; *Urothemis nigrilabris* Selys, 1878; *Urothemis vittata* Kirby, 1893

English Common Name: Wandering Pennant

Material Examined: Glassine (37), Slide (wing)

***Macrothemis*** Hagen, 1868

*Macrothemis celeno* (Selys, 1857)

Synonyms: *Libellula celeno* Selys in Sagra, 1857; *Macrothemis meurgeyi* Daigle, 2007

Material Examined: Glassine (158), Slide (wing)

*Macrothemis hemichlora* (Burmeister, 1839)

Synonyms: *Libellula hemichlora* Burmeister, 1839; *Macrothemis cydippe* Calvert, 1898

Material Examined: Glassine (1)

*Macrothemis heteronycha* (Calvert, 1909)

Synonyms: *Brechmorhoga heteronycha* Calvert, 1909; ?*Ophippus garbei* Navás, 1917

Material Examined: Glassine (1), Slide (wing)

*Macrothemis imitans* (Karsch, 1890)

Synonyms: *Macrothemis leucozona* Ris, 1913

English Common Name: Ivory-striped Sylph

Material Examined: Pinned (1)

*Macrothemis inacuta* Calvert, 1898

English Common Name: Straw-colored Sylph

Material Examined: Glassine (1)

*Macrothemis musiva* Calvert, 1898

Synonyms: *Macrothemis uniseriis* Calvert, 1909

English Common Name:

Material Examined: Slide (wing)

*Macrothemis pleurosticta* (Burmeister, 1839)

Synonyms: *Libellula pleurosticta* Burmeister, 1839

Material Examined: Glassine (2)

*Macrothemis pseudimitans* Calvert, 1898

English Common Name: White-tailed Sylph

Material Examined: Glassine (2)

*Macrothemis rochai* Navás, 1918

English Common Name:

Material Examined: Slide (wing)

*Macrothemis tessellata* (Burmeister, 1839)

Synonyms: *Libellula tessellata* Burmeister, 1839

Material Examined: Glassine (1)

*Miathyria* Kirby, 1889

*Miathyria marcella* (Selys, 1857)

Synonyms: *Libellula marcella* Selys in Sagra, 1857

English Common Name: Hyacinth Glider

Material Examined: Pinned (3), Glassine (36), Slide (wing)

***Micrathyria*** Kirby, 1889

*Micrathyria aequalis* (Hagen, 1861)

Synonyms: *Dythemis aequalis* Hagen, 1861; *Micrathyria septima* Selys, 1900

English Common Name: Spot-tailed Dasher

Material Examined: Glassine (17), Slide (mouthparts, wing)

*Micrathyria atra* (Martin, 1897)

Synonyms: *Dythemis atra* Martin, 1897

Material Examined: Glassine (2)

*Micrathyria debilis* (Hagen, 1861)

Synonyms: *Dythemis debilis* Hagen, 1861

Material Examined: Glassine (1)

*Micrathyria didyma* (Selys, 1857)

Synonyms: *Libellula didyma* Selys in Sagra, 1857; *Dythemis dicrota* Hagen, 1861;

*Mesothemis poeyi* Scudder, 1866; *Micrathyria pruinosa* Kirby, 1894

English Common Name: Three-striped Dasher

Material Examined: Glassine (14), Slide (mouthparts, wing)

*Micrathyria dissocians* Calvert, 1906

English Common Name: Carribean Dasher

Material Examined: Glassine (8), Slide (mouthparts)

*Micrathyria hagenii* Kirby, 1890

English Common Name: Thornbrush Dasher

Material Examined: Glassine (3), Slide (mouthparts, wing)

*Micrathyria ocellata* Martin, 1897

Synonyms: *Micrathyria ocellata* dentiens Calvert, 1909; *Micrathyria ocellata* quicha

Calvert, 1909; *Micrathyria carlota* Needham, 1942

Type Material: CUIC #3068, Paratype (*Micrathyria carlota*)

*Micrathyria spinifera* Calvert, 1909

Material Examined: Glassine (2)

*Micrathyria tibialis* Kirby, 1897

English Common Name: Pale-footed Dasher

Material Examined: Glassine (1), Slide (wing)

*Misagria* Kirby, 1889

*Misagria parana* Kirby, 1889

Material Examined: Glassine (2), Slide (wing)

***Nannophya*** Rambur, 1842

*Nannophya australis* Brauer, 1865

English Common Name: Australian Pygmy Dragonfly

Material Examined: Glassine (2), Slide (wing)

*Nannophya pygmaea* Rambur, 1842

Synonyms: *Fylla exigua* Kirby, 1889; *Nannodiplax yutsehongi* Navás, 1935

English Common Name: Scarlet Dwarf

Material Examined: Pinned (2), Glassine (13), Slide (wing)

***Nannothemis*** Brauer, 1868

*Nannothemis bella* (Uhler, 1857)

Synonyms: *Nannophya bella* Uhler, 1857; *Nannophya pygmaea* Kirby, 1889 (nec Rambur, 1842); *Aino puella* Kirby, 1890

English Common Name: Elfin Skimmer

Material Examined: Pinned (8), Glassine (32), Slide (mouthparts, wing)

***Neodythemis*** Karsch, 1889

*Neodythemis hildebrandti* Karsch, 1889

Synonyms: *Oreoxenia ouvirandrae* Förster, 1899; *Pseudophlebia minima* Needham, 1903; *Pseudophlebia mimica* Martin, 1908

Material Examined: Glassine (1), Slide (wing)

*Nephepeltia* Kirby, 1889

*Nephepeltia phryne* Perty, 1834

Synonyms: *Libellula phryne* Perty, 1834; *Nephepeltia phryne tupiensis* Santos, 1950

Material Examined: Glassine (3), Slide (wing)

*Nesogonia* Kirby, 1898

*Nesogonia blackburni* McLachlan, 1883

Synonyms: *Leptemis blackburni* McLachlan, 1883

Material Examined: Glassine (5), Slide (wing)

*Neurothemis* Brauer, 1867

*Neurothemis decora* (Brauer, 1866)

Synonyms: *Polyneura decora* Kaup in Brauer, 1866; *Neurothemis paradisea* Förster,  
1898

Material Examined: Glassine (2)

*Neurothemis feralis* (Burmeister, 1839)

Synonyms: *Libellula equestris feralis* Burmeister, 1839; *Libellula communimaculata*  
Rambur, 1842

Material Examined: Glassine (1)

*Neurothemis fluctuans* (Fabricius, 1793)

Synonyms: *Libellula fluctuans* Fabricius, 1793; *Polynevra palliata* Rambur, 1842;  
*Neurothemis ceylanica* Brauer, 1867; *Neurothemis nicobarica* Brauer, 1867

Material Examined: Glassine (26), Slide (wing)

*Neurothemis fulvia* (Drury, 1773)

Synonyms: *Libellula fulvia* Drury, 1773; *Libellula sophronia* Drury, 1773; *Libellula apicalis* Guérin-Méneville in Lesson, 1830; *Neurothemis sophronia sumatrana* Krüger, 1903

English Common Name: Fulvous Forest Skimmer

Material Examined: Glassine (30), Slide (wing)

*Neurothemis intermedia* (Rambur, 1842)

Synonyms: *Libellula intermedia* Rambur, 1842; *Neurothemis septentrionis* Förster, 1904;  
*Neurothemis intermedia atalanta* Ris, 1913; *Neurothemis intermedia excelsa* Lieftinck, 1934

Material Examined: Glassine (10), Slide (wing)

*Neurothemis ramburii* (Brauer, 1866)

Synonyms: *Polyneura ramburii* Kaup in Brauer, 1866; *Neurothemis incerta* Brauer, 1867; *Untamo apicalis* Kirby, 1889; *Neurothemis martini* Krüger, 1903; *Neurothemis ramburii oceanis* Lieftinck, 1948

Material Examined: Glassine (4)

*Neurothemis stigmatizans* (Fabricius, 1775)

Synonyms: *Libellula stigmatizans* Fabricius, 1775; *Libellula oculata* Fabricius, 1775;

*Libellula bramina* Guérin-Méneville in Lesson, 1830; *Neurothemis diplax* Brauer, 1867

English Common Name: Painted Grasshawk

Material Examined: Glassine (14)

*Neurothemis terminata* Ris, 1911

Synonyms: *Polynevra apicalis* Rambur, 1842 (nec Guérin-Méneville in Lesson, 1830);

*Neurothemis obscura* Fraser, 1926

Material Examined: Glassine (299), Slide (wing)

*Neurothemis tullia* (Drury, 1773)

Synonyms: *Libellula tullia* Drury, 1773; *Libellula equestris* Fabricius, 1781; *Libellula*

*lineata* Fabricius, 1793; *Neurothemis equestris pedestris* Selys, 1879

English Common Name: Pied Paddy Skimmer

Material Examined: Glassine (21), Slide (wing)

***Oligoclada*** Karsch, 1890

*Oligoclada abbreviata* (Rambur, 1842)

Synonyms: *Libellula abbreviata* Rambur, 1842; *Oligoclada raineyi* Ris, 1919;

*Oligoclada abbreviata limnophila* Machado & Machado, 1993

Material Examined: Glassine (1)

*Oligoclada amphinome* Ris, 1919

Material Examined: Glassine (2), Slide (wing)

*Oligoclada stenoptera* Borrer, 1931

Material Examined: Slide (wing)

***Onychothemis*** Brauer, 1868

*Onychothemis abnormis* Brauer, 1868

Material Examined: Glassine (2), Slide (wing)

***Orchithemis*** Brauer, 1878

*Orchithemis pulcherrima* Brauer, 1878

Synonyms: *Calothemis exsudans* Selys, 1878

English Common Name: Variable Sentinel

Material Examined: Slide (wing)

***Orthemis*** Hagen, 1861

*Orthemis cultriformis* Calvert, 1899

English Common Name: Swamp Skimmer

Material Examined: Glassine (5)

*Orthemis levis* Calvert, 1906

Material Examined: Glassine (1)

*Orthemis ferruginea* (Fabricius, 1775)

Synonyms: *Libellula ferruginea* Fabricius, 1775

English Common Name: Roseate Skimmer

Material Examined: Pinned (8), Glassine (181), Slide (genitalia, labium, wing)

***Orthetrum*** Newman, 1833

*Orthetrum albistylum* (Selys, 1848)

Synonyms: *Libellula albistyla* Selys, 1848; *Libellula speciosa* Uhler, 1858; *Libellula albicauda* Brauer, 1865

English Common Name: White-tailed Skimmer

Material Examined: Glassine (~120), Slide (wing)

Notes: 1 packet of wings

*Orthetrum brunneum* (Fonscolombe, 1837)

Synonyms: *Libellula brunnea* Fonscolombe, 1837; *Libellula sardoa* Rambur, 1842; *Libellula cycnos* Selys, 1848

English Common Name: Southern Skimmer

Material Examined: Glassine (6)

*Orthetrum caffrum* (Burmeister, 1839)

Synonyms: *Libellula caffra* Burmeister, 1839; *Libellula fasciolata* Rambur, 1842; *Libellula subfasciolata* Brauer, 1865; *Orthetrum truncatum* Calvert, 1892

English Common Name: Two-striped Skimmer

Material Examined: Glassine (2)

*Orthetrum caledonicum* (Brauer, 1865)

Synonyms: *Libellula caledonica* Brauer, 1865

English Common Name: Blue Skimmer

Material Examined: Slide (wing)

*Orthetrum cancellatum* (Linnaeus, 1758)

Synonyms: *Libellula cancellata* Linnaeus, 1758; *Libellula frumenti* Müller, 1764;

*Libellula lineolata* Charpentier, 1825; *Hydronympha helvetica* Buchecker, 1876;

*Orthetrum kraepelini* Ris, 1897; *Orthetrum guptai* Baijal, 1955; *Orthetrum cancellatum orientale* Belyshev & Doshidorzhi, 1958

English Common Name: Black-tailed Skimmer

Material Examined: Glassine (7), Exuviae (4), Slide (mouthpart, wing)

*Orthetrum chrysostigma* (Burmeister, 1839)

Synonyms: *Libellula chrysostigma* Burmeister, 1839; *Libellula barbara* Selys in Lucas, 1849; *Orthetrum toddii* Pinhey, 1970

English Common Name: Epaulet Skimmer

Material Examined: Glassine (1)

*Orthetrum coerulescens* (Fabricius, 1798)

Synonyms: *Libellula coerulescens* Fabricius, 1798; *Libellula vulgata* Scopoli, 1763 (nec Linnaeus, 1758); *Libellula biguttata* Donovan, 1808; *Libellula opalina* Charpentier, 1825; *Libellula olympia* Fonscolombe, 1837; *Libellula dubia* Rambur, 1842 (nec Vander Linden, 1825); *Libellula anceps* Schneider, 1845; *Libellula ramburii* Selys in Lucas, 1849; *Orthetrum translatum* Bartenev, 1929. *Orthetrum helena* Buchholz, 1954

English Common Name: Keeled Skimmer

Material Examined: Slide (mouthparts)

*Othetrum glaucum* (Brauer, 1865)

Synonyms: *Libellula glauca* Brauer, 1865; *Orthetrum ganeshii* Mehrotra, 1961;

*Orthetrum fraseri* Sahni, 1965; *Orthetrum gangi* Sahni, 1965

English Common Name: Common Blue Skimmer

Material Examined: Glassine (10), Slide (wing)

*Othetrum guineense* Ris, 1909

English Common Name: Guinea Skimmer

Material Examined: Glassine (1)

*Othetrum internum* McLachlan, 1884

Material Examined: Glassine (20)

*Othetrum japonicum* (Uhler, 1858)

Synonyms: *Libellula japonica* Uhler, 1858

Material Examined: Glassine (14), Slide (wing)

*Orthetrum julia* Kirby, 1900

Synonyms: *Libellula capensis* Calvert, 1893 (nec Linnaeus, 1767); *Orthetrum nigrescens*

Förster, 1906; *Orthetrum congoense* Fraser, 1949; *Orthetrum falsum* Longfield, 1955;

*Orthetrum capicola* Kimmins, 1957

English Common Name: Julia Skimmer

Material Examined: Glassine (5)

*Orthetrum lineostigma* (Selys 1886)

Synonyms: *Libellula lineostigma* Selys, 1886

Material Examined: Glassine (8), Slide (genitalia, wing)

*Orthetrum luzonicum* (Brauer, 1868)

Synonyms: *Libellula luzonica* Brauer, 1868; *Orthetrum devium* Needham, 1930

Type Material: CUIC #958, (*Orthetrum devium*)

English Common Name: Marsh Skimmer

Material Examined: Glassine (3), Slide (wing)

*Orthetrum melania* (Selys, 1883)

Synonyms: *Libellula melania* Selys, 1883; *Pseudothemis nigrifrons* Matsumura, 1898;  
*Orthetrum melania continentale* Sasamoto & Futahashi, 2013; *Orthetrum melania ryukyuense* Sasamoto & Futahashi, 2013; *Orthetrum melania yaeyamense* Sasamoto & Futahashi, 2013; *Orthetrum melania superbum* Kompier & Futahashi, 2016

English Common Name: Greater Blue Skimmer

Material Examined: Glassine (~35), Slide (wing)

*Othetrum nitidinerve* (Selys, 1841)

Synonyms: *Libellula nitidinervis* Selys, 1841; *Libellula baetica* Rambur, 1842

English Common Name: Yellow-veined Skimmer

Material Examined: Glassine (6)

*Othetrum pruinorum* (Burmeister, 1839)

Synonyms: *Libellula pruinosa* Burmeister, 1839; *Libellula neglecta* Rambur, 1842;

*Libellula petalura* Brauer, 1865; *Libella clelia* Selys, 1878

English Common Name: Crimson-tailed Marsh Hawk

Material Examined: Glassine (14), Slide (wing)

*Othetrum sabina* (Drury, 1773)

Synonyms: *Libellula sabina* Drury, 1773; *Libellula gibba* Fabricius, 1798; *Libellula leptura* Burmeister, 1839; *Libellula ampullacea* Schneider, 1845; *Lepthemis divisa* Selys, 1878; *Orthetrum nigrescens* Bartenev, 1929; *Orthetrum viduatum* Lieftinck, 1942

English Common Name: Slender Skimmer

Material Examined: Glassine (516), Slide (immature, wing)

*Othetrum stemmale* (Burmeister, 1839)

Synonyms: *Libellula stemmalis* Burmeister, 1839; *Libellula coarctata* Rambur, 1842;

*Libellula contracta* Rambur, 1842; *Libellula wrightii* Selys, 1869; *Orthetrum kalai*

Longfield, 1936

Material Examined: Glassine (4)

*Othetrum taeniolatum* (Schneider, 1845)

Synonyms: *Libellula taeniolata* Schneider, 1845; *Libellula hyalinum* Kirby, 1886;

*Orthetrum brevistylum* Kirby, 1896; *Orthetrum garhwalicum* Singh & Baijal, 1954

English Common Name: Small Skimmer

Material Examined: Glassine (1)

*Othetrum testaceum* (Burmeister, 1839)

Synonyms: *Libellula testacea* Burmeister, 1839

English Common Name: Rufous-backed Skimmer

Material Examined: Glassine (43), Slide (wing)

*Othetrum triangulare* (Selys, 1878)

Synonyms: *Libellula triangularis* Selys, 1878; *Libellula delesserti* Selys, 1878;

*Orthetrum triangulare malaccensis* Förster, 1903; *Orthetrum chandrabali* Mehrotra,  
1961

English Common Name: Blue-tailed Forest Hawk

Material Examined: Glassine (16), Slide (wing)

***Pachydiplax*** Brauer, 1868

*Pachydiplax longipennis* (Burmeister, 1839)

Synonyms: *Libellula longipennis* Burmeister, 1839; *Libellula socia* Rambur, 1842

English Common Name: Blue Dasher

Material Examined: Pinned (31), Glassine (487), Exuviae (5)

***Palpopleura*** Rambur, 1842

*Palpopleura lucia* (Drury, 1773)

Synonyms: *Libellula lucia* Drury, 1773; *Libellula marginata* Fabricius, 1781 (nec De  
Geer, 1773); *Libellula variegata* Fabricius, 1781 (nec Linnaeus, 1763); *Libellula varia*  
Gmelin, 1788; *Libellula sinuata* Fabricius, 1793; *Libellula denticulata* Palisot de  
Beauvois, 1817; *Libellula semivitrea* Burmeister, 1839

English Common Name: Lucia Widow

Material Examined: Glassine (7), Slide (wing)

*Palpopleura portia* (Drury, 1773)

Synonyms: *Libellula portia* Drury, 1773

English Common Name: Portia Widow

Material Examined: Glassine (2)

*Palpopleura sexmaculata* (Fabricius, 1787)

Synonyms: *Libellula sexmaculata* Fabricius, 1787; *Aeshna minuta* Fabricius, 1787;

*Palpopleura sexmaculata octomaculata* Fraser, 1935

English Common Name: Asian Widow

Material Examined: Glassine (43), Slide (wing)

*Paltothemis* Karsch, 1890

*Paltothemis lineatipes* Karsch, 1890

Synonyms: *Dythemis russata* Calvert, 1895

English Common Name: Red Rock Skimmer

Material Examined: Pinned (4), Glassine (27), Slide (mouthparts, wing)

*Pantala* Hagen, 1861

*Pantala flavescens* (Fabricius, 1798)

Synonyms: *Libellula flavescens* Fabricius, 1798; *Libellula viridula* Palisot de Beauvois, 1807; *Libellula analis* Burmeister, 1839; *Libellula terminalis* Burmeister, 1839;

*Orthetrum mathewi* Singh & Baijal, 1955; *Sympetrum tandicola* Singh, 1955

English Common Name: Wandering Glider

Material Examined: Pinned (10), Glassine (482), Exuviae (25), Slide (mouthparts, wing)

*Pantala hymenaea* (Say, 1839)

Synonyms: *Libellula hymenaea* Say, 1840 | *Tramea huanacina* Förster, 1909

English Common Name: Spot-winged Glider

Material Examined: Pinned (2), Glassine (31), Slide (wing)

***Perithemis*** Hagen, 1861

*Perithemis cornelia* Ris, 1910

Material Examined: Glassine (1)

*Perithemis domitia* (Drury, 1773)

Synonyms: *Libellula domitia* Drury, 1773; *Libellula metella* Selys in Sagra, 1857;

*Perithemis domitia iris* Hagen, 1861; *Perithemis pocahontas* Kirby, 1889

English Common Name: Slough Amberwing

Material Examined: Glassine (13), Slide (wing)

*Perithemis electra* Ris, 1930

English Common Name: Golden Amberwing

Material Examined: Glassine (3)

*Perithemis intensa* Kirby, 1889

Synonyms: *Perithemis intensa californica* Martin, 1900

English Common Name: Mexican Amberwing

Material Examined: Pinned (2), Glassine (3)

*Perithemis lais* (Perty, 1834)

Synonyms: *Libellula lais* Perty, 1834; *Perithemis naias* Ris, 1910; *Perithemis tenera*

Fraser, 1947 (nec Say, 1840)

English Common Name: Fine-banded Amberwing

Material Examined: Pinned (2), Glassine (12), Slide (wing)

*Perithemis tenera* (Say, 1839)

Synonyms: *Libellula tenera* Say, 1840; *Libellula tenuicincta* Say, 1840; *Libellula chlora*

Rambur, 1842; *Perithemis mooma* Kirby, 1889; *Perithemis domitia seminole* Calvert,

1907; *Perithemis mooma octoxantha* Ris, 1910; *Perithemis piperi* Hoffmann, 1987

English Common Name: Eastern Amberwing

Material Examined: Pinned (50), Glassine (151), Exuviae (55), Slide (wing)

*Perithemis thais* Kirby, 1889

Material Examined: Glassine (1)

***Planiplax*** Muttkowski, 1910

*Planiplax erythropyga* (Karsch, 1891)

Synonyms: *Platyplax erythropyga* Karsch, 1891

Material Examined: Glassine (1)

*Planiplax phoenicura* Ris, 1912

Material Examined: Glassine (2), Slide (wing)

***Plathemis*** Hagen, 1861

*Plathemis lydia* (Drury, 1773)

Synonyms: *Libellula lydia* Drury, 1773; *Libellula trimaculata* De Geer, 1773; *Libellula serva* Fabricius, 1793

English Common Name: Common Whitetail

Material Examined: Pinned (43), Glassine (~140), Exuviae (15), Slide (wing)

*Plathemis subornata* Hagen, 1861

English Common Name: Desert Whitetail

Material Examined: Pinned (2), Glassine (3), Exuviae (4), Slide (wing)

***Potamarcha*** Karsch, 1890

*Potamarcha congener* (Rambur, 1842)

Synonyms: *Libellula congener* Rambur, 1842; *Libellula obscura* Rambur, 1842 (nec Fabricius, 1775)

English Common Name: Yellow-tailed Ashy Skimmer

Material Examined: Glassine (~145), Slide (wing)

*Potamarcha puella* Needham, 1930

Material Examined: Slide (wing)

***Protorthemis*** Kirby, 1889

*Protorthemis woodfordi* (Kirby, 1889)

Synonyms: *Nesocria woodfordi* Kirby, 1889

Material Examined: Glassine (2)

***Pseudoleon*** Kirby, 1889

*Pseudoleon superbus* (Hagen, 1861)

Synonyms: *Celithemis superba* Hagen, 1861

English Common Name: Filigree Skimmer

Material Examined: Glassine (3), Slide (wing)

***Pseudothemis*** Kirby, 1889

*Pseudothemis zonata* (Kirby, 1889)

Synonyms: *Libellula zonata* Burmeister, 1839; *Orthetrum zonale* Navás, 1932

English Common Name: Pied Skimmer

Material Examined: Glassine (13), Slide (abdomen, wing)

***Raphismia*** Kirby, 1889

*Raphismia bispina* (Hagen, 1867)

Synonyms: *Diplax bispina* Hagen, 1867; *Diplax thoracantha* Brauer, 1867

Material Examined: Glassine (5), Slide (wing)

***Rhodopygia*** Kirby, 1889

*Rhodopygia cardinalis* Erichson, 1848

Synonyms: *Libellula cardinalis* Erichson in Schomburgk, 1848; *Rhodopygia cardinalis colorata* Navás, 1923

Material Examined: Glassine (13), Slide (wing)

*Rhodopygia hollandi* Calvert, 1907

Synonyms: *Rhodopygia chloris* Ris, 1911

Material Examined: Glassine (1)

***Rhodothemis*** Ris, 1909

*Rhodothemis rufa* (Rambur, 1842)

Synonyms: *Libellula rufa* Rambur, 1842; *Libellula oblita* Rambur, 1842

English Common Name: Rufous Marsh Glider

Material Examined: Glassine (5)

***Rhyothemis*** Hagen, 1867

*Rhyothemis aterrima* Selys, 1891

Material Examined: Glassine (1)

*Rhyothemis cognata* (Rambur, 1842)

Synonyms: *Libellula cognata* Rambur, 1842; *Compsothemis regalis* Karsch, 1889

Material Examined: Glassine (1)

*Rhyothemis fenestrina* (Rambur, 1842)

Synonyms: *Libellula fenestrina* Rambur, 1842

English Common Name: Skylight Flutterer

Material Examined: Pinned (1)

*Rhyothemis fuliginosa* Selys, 1883

Material Examined: Glassine (8), Slide (mouthparts)

*Rhyothemis phyllis* (Sulzer, 1776)

Synonyms: *Libellula phyllis* Sulzer, 1776; *Libellula vittata* Weber, 1801; *Rhyothemis dispar* Brauer, 1867; *Rhyothemis obscura* Brauer 1868; *Rhyothemis vitellina* Brauer, 1868; *Rhyothemis amaryllis* Selys, 1878; *Rhyothemis snelleni* Selys, 1878; *Rhyothemis phyllis subphyllis* Selys, 1882; *Rhyothemis apicalis* Kirby, 1889; *Rhyothemis chloe* Kirby, 1894; *Rhyothemis phyllis marginata* Ris, 1913; *Rhyothemis phyllis aequalis* Kimmins, 1936; *Rhyothemis phyllis beatricis* Lieftinck, 1942; *Rhyothemis phyllis ixias* Lieftinck, 1953

Material Examined: Glassine (20), Slide (wing)

*Rhyothemis semihyalina* (Desjardins, 1835)

Synonyms: *Libellula semihyalina* Desjardins, 1835; *Libellula disparata* Rambur, 1842; *Libellula separata* Selys in Lucas, 1849; *Libellula syriaca* Selys, 1849; *Rhyothemis ducalis* Kirby, 1898

English Common Name: Phantom Flutterer

Material Examined: Slide (wings )

*Rhyothemis variegata* (Linnaeus, 1763)

Synonyms: *Libellula variegata* Linnaeus, 1763; *Libellula arria* Drury, 1773; *Libellula marcia* Drury, 1773; *Libellula histrio* Fabricius, 1787; *Rhyothemis imperatrix* Selys, 1887; *Rhyothemis nebulosa* Oguma, 1922

English Common Name: Common Picturewing

Material Examined: Glassine (19), Slide (wing)

*Scapanea* Kirby, 1889

*Scapanea frontalis* Burmeister, 1839

Synonyms: *Libellula frontalis* Burmeister, 1839

Material Examined: Pinned (4), Glassine (80), Slide (mouthparts, wing)

*Sympetrum* Newman, 1833

*Sympetrum ambiguum* (Rambur, 1842)

Synonyms: *Libellula ambigua* Rambur, 1842; *Libellula albifrons* Charpentier, 1840 (nec Burmeister, 1839)

English Common Name: Blue-faced Meadowhawk

Material Examined: Pinned (2), Glassine (10)

*Sympetrum baccha* (Selys, 1884)

Synonyms: *Diplax baccha* Selys, 1884; *Sympetrum matutinum* Ris, 1911

Material Examined: Glassine (6), Slide (wing)

*Sympetrum corruptum* (Hagen, 1861)

Synonyms: *Mesothemis corrupta* Hagen, 1861

English Common Name: Variegated Meadowhawk

Material Examined: Pinned (4), Glassine (104), Exuviae (1), Slide (wing)

*Sympetrum costiferum* (Hagen, 1861)

Synonyms: *Diplax costifera* Hagen, 1861; *Diplax atripes* Hagen, 1874

English Common Name: Saffron-winged Meadowhawk

Material Examined: Pinned (2), Glassine (41), Slide (wing)

*Sympetrum croceolum* (Selys, 1883)

Synonyms: *Diplax croceola* Selys, 1883; *Leucorrhinia fujisana* Matsumura, 1898

Material Examined: Glassine (2), Slide (wing)

*Sympetrum danae* (Sulzer, 1779)

Synonyms: *Libellula danae* Sulzer, 1776; *Libellula scotica* Donovan, 1811; *Libellula nigra* Charpentier, 1840; *Libellula veronensis* Charpentier, 1825; *Libellula nigricula* Eversmann, 1836; *Sympetrum arcticum* Matsumura, 1911; *Sympetrum verum* Bartenev, 1915

English Common Name: Black Meadowhawk

Material Examined: Glassine (25), Slide (wing)

*Sympetrum darwinianum* Selys, 1883

Synonyms: *Diplax darwiniana* Selys, 1883; *Diplax sinensis* Selys, 1883

Material Examined: Glassine (15), Slide (abdomen, leg, wing)

*Sympetrum eroticum* (Selys, 1883)

Synonyms: *Diplax erotica* Selys, 1883; *Thecadiplax ardens* McLachlan, 1894;

*Sympetrum ignotum* Needham, 1930

Type Material: CUIC #2681, Paratype (*Sympetrum ignotum*)

Material Examined: Pinned (1), Glassine (34), Slide (wing)

*Sympetrum flaveolum* (Linnaeus, 1758)

Synonyms: *Libellula flaveola* Linnaeus, 1758; *Libellula rubra* Müller, 1764; *Libellula aurea* Scopoli, 1772

English Common Name: Yellow-winged Darter

Material Examined: Pinned (1), Glassine (5)

*Sympetrum fonscolombii* (Selys, 1840)

Synonyms: *Libellula fonscolombii* Selys, 1840; *Libellula erythroneura* Schneider, 1845;

*Sympetrum rhaeticum* Buchecker, 1876; *Sympetrum azorensis* Gardner, 1959

English Common Name: Red-veined Darter

Material Examined: Pinned (1), Glassine (1)

*Sympetrum frequens* (Selys, 1883)

Synonyms: *Diplax frequens* Selys, 1883

English Common Name: Autumn Darter

Material Examined: Glassine (2), Slide (wing)

*Sympetrum illotum* (Hagen, 1861)

Synonyms: *Mesothemis illota* Hagen, 1861; *Diplax virgula* Selys, 1884

English Common Name: Cardinal Meadowhawk

Material Examined: Pinned (5), Glassine (16), Exuviae (1), Slide (wing)

*Sympetrum infuscatum* (Selys, 1883)

Synonyms: *Diplax infuscatum* Selys, 1883

Material Examined: Glassine (4), Slide (wing)

*Sympetrum internum* Montgomery, 1943

Synonyms: *Sympetrum janeae* Carle, 1993

English Common Name: Cherry-faced Meadowhawk

Material Examined: Glassine (98)

*Sympetrum kunckeli* (Selys, 1884)

Synonyms: *Diplax kunckeli* Selys, 1884; *Sympetrum flavicauda* Navás, 1932

Material Examined: Glassine (11), Slide (wing)

*Sympetrum maculatum* Oguma, 1922

Synonyms: *Sympetrum anomalum* Needham, 1930

Type Material: CUIC #3932, Holotype (*Sympetrum anomalum*)

Material Examined: Slide (wing)

*Sympetrum madidum* (Hagen 1861)

Synonyms: *Diplax madida* Hagen, 1861; *Diplax flavicosta* Hagen, 1877; *Diplax chrysoptera* Selys, 1883

English Common Name: Red-veined Meadowhawk

Material Examined: Pinned (2), Glassine (6), Slide (wing)

*Sympetrum meridionale* (Selys, 1841)

Synonyms: *Libellula meridionalis* Selys, 1841; *Libellula hybrida* Rambur, 1842

English Common Name: Southern Darter

Material Examined: Pinned (1)

*Sympetrum obtrusum* (Hagen, 1867)

Synonyms: *Diplax obtrusa* Hagen, 1867; *Diplax decisa* Hagen, 1874

English Common Name: White-faced Meadowhawk

Material Examined: Pinned (4), Glassine (63), Exuviae (4), Slide (wing)

*Sympetrum pallipes* (Hagen, 1874)

Synonyms: *Diplax pallipes* Hagen, 1874; *Sympetrum obtrusum morrisoni* Ris, 1911

English Common Name: Striped Meadowhawk

Material Examined: Pinned (2), Glassine (8), Slide (wing)

*Sympetrum pedemontanum* (Muller, 1776)

Synonyms: *Libellula pedemontana* Müller in Allioni, 1766; *Libellula harpedone* Sulzer, 1776; *Libellula sibirica* Gmelin, 1788

English Common Name: Banded Darter

Material Examined: Pinned (1), Glassine (14), Slide (wing)

*Sympetrum rubicundulum* (Say, 1839)

Synonyms: *Libellula rubicundula* Say, 1840; *Libellula assimilata* Uhler, 1857

English Common Name: Ruby Meadowhawk

Material Examined: Pinned (10), Glassine (49), Exuviae (4), Slide (wing)

*Sympetrum sanguinem* (Muller, 1764)

Synonyms: *Libellula sanguinea* Müller, 1764; *Libellula angustipennis* Stephens, 1835;

*Libellula basalis* Stephens, 1835; *Diplax armeniaca* Selys, 1884

English Common Name: Ruddy Darter

Material Examined: Pinned (4), Glassine (6), Slide (abdomen, mouthparts, wing)

*Sympetrum semicinctum* (Say, 1840)

Synonyms: *Libellula semicineta* Say, 1840; *Sympetrum occidentale* Bartenev, 1915;  
*Sympetrum occidentale californicum* Walker, 1951; *Sympetrum occidentale fasciatum*  
Walker, 1951

English Common Name: Band-winged Meadowhawk

Material Examined: Pinned (2), Glassine (24), Exuviae (1), Slide (wing)

*Sympetrum striolatum* (Charpentier, 1840)

Synonyms: *Libellula striolata* Charpentier, 1840; *Libellula ruficollis* Charpentier, 1840;  
*Diplax commixta* Selys, 1884; *Sympetrum subpruinatum* Kirby, 1886; *Sympetrum*  
*nigrescens* Lucas, 1912; *Sympetrum durum* Bartenev, 1916

English Common Name: Common Darter

Material Examined: Pinned (2), Glassine (31), Exuviae (2), Slide (wing)

*Sympetrum uniforme* (Selys, 1883)

Synonyms: *Diplax uniformis* Selys, 1883; *Sympetrum fatigans* Needham, 1929

Type Material: CUIC #Paratype (*Sympetrum fatigans*)

Material Examined: Glassine (8), Slide (wing)

*Sympetrum vicinum* (Hagen, 1861)

Synonyms: *Diplax vicina* Hagen, 1861

English Common Name: Autumn Meadowhawk

Material Examined: Pinned (3), Glassine (81), Slide (wing)

*Sympetrum vulgatum* (Linnaeus, 1758)

Synonyms: *Libellula vulgata* Linnaeus, 1758; ?*Libellula variegata* Müller, 1764 (nec Linnaeus, 1763); *Sympetrum decolorata* Selys, 1884; *Diplax imitans* Selys, 1886; *Sympetrum flavum* Bartenev, 1915; *Sympetrum vulgatum ibericum* Ocharan, 1985  
Material Examined: Pinned (1), Glassine (4), Slide (wing)

***Tauriphila*** Kirby, 1889

*Tauriphila argo* (Hagen, 1869)

Synonyms: *Tramea argo* Hagen, 1869; ?*Tauriphila nycteris* Karsch, 1890

English Common Name: Arch-tipped Glider

Material Examined: Glassine (4)

*Tauriphila australis* (Hagen, 1867)

Synonyms: *Tramea australis* Hagen, 1867; *Tramea iphigenia* Hagen, 1867

English Common Name: Garnet Glider

Material Examined: Glassine (8), Slide (wing)

*Tauriphila risi* Martin, 1896

Material Examined: Glassine (2)

***Tetrathemis*** Bruaer, 1868

*Tetrathemis camerunensis* (Sjöstedt, 1900)

Synonyms: *Neophlebia camerunensis* Sjöstedt, 1900; *Tetrathemis bifida* Fraser, 1941;

*Tetrathemis sulci* Pinhey, 1962

English Common Name: Forest Elf

Material Examined: Slide (wing)

*Tetrathemis irregularis* Brauer, 1869

Synonyms: *Tetrathemis tristrigata* Kirby, 1889; *Tetrathemis sumatrana* Krüger, 1902;

*Tetrathemis cladophila* Tillyard, 1908; *Tetrathemis irregularis dives* Ris, 1913

English Common Name: Rainforest Elf

Material Examined: Glassine (8), Slide (wing)

***Thermothemis*** Kirby, 1889

*Thermothemis madagascariensis* (Rambur, 1842)

Synonyms: *Libellula madagascariensis* Rambur, 1842; *Donzella madegassa* Navás, 1915

Material Examined: Glassine (7)

***Tholymis*** Hagen, 1867

*Tholymis citrina* Hagen, 1867

English Common Name: Evening Glider

Material Examined: Glassine (3), Slide (wing)

*Tholymis tillarga* (Fabricius, 1798)

Synonyms: *Libellula tillarga* Fabricius, 1798; *Libellula pallida* Palisot de Beauvois,

1817; *Libellula bimaculata* Desjardins, 1835 (nec Charpentier, 1825); *Tholymis*

*paratillarga* Singh & Prasad, 1980

English Common Name: Crepuscular Darter

Material Examined: Glassine (~55), Slide (wing)

***Tramea*** Hagen, 1861

*Tramea abdominalis* (Rambur, 1842)

Synonyms: *Libellula abdominalis* Rambur, 1842; *Libellula basalis* Burmeister, 1839 (nec Stephens, 1835)

English Common Name: Vermillion Saddlebags

Material Examined: Glassine (~140)

*Tramea binotata* (Rambur, 1842)

Synonyms: *Libellula binotata* Rambur, 1842; *Tramea brasiliانا* Brauer, 1867; *Tramea longicauda* Brauer, 1867; *Tramea subbinotata* Brauer, 1867; *Tramea paulina* Förster, 1910; *Tramea walkeri* Whitehouse, 1943

English Common Name: Sooty Saddlebags

Material Examined: Glassine (6), Slide (wing)

*Tramea carolina* (Linnaeus, 1763)

Synonyms: *Libellula carolina* Linnaeus, 1763

English Common Name: Carolina Saddlebags

Material Examined: Pinned (5), Glassine (233), Slide (wing)

*Tramea cophysa* Hagen, 1867

Synonyms: *Tramea darwini* Kirby, 1889

Material Examined: Pinned (2), Glassine (1)

*Tramea darwini* Kirby, 1889

Synonyms: *Tamea calverti* Muttkowski, 1910

English Common Name: Striped Saddlebags

Material Examined: Pinned (1), Glassine (11)

*Tamea lacerata* Hagen, 1861

English Common Name: Black Saddlebags

Material Examined: Pinned (4), Glassine (~75), Exuviae (12), Slide (wing)

*Tamea limbata* (Desjardins, 1835)

Synonyms: *Libellula limbata* Desjardins, 1835; *Libellula incerta* Rambur, 1842;

*Libellula mauriciana* Rambur, 1842; *Libellula similata* Rambur, 1842; *Libellula stylata*

Rambur, 1842; *Tamea continentalis* Selys, 1878; *Tamea madagascariensis* Kirby,

1889; *Tamea translucida* Kirby, 1889

English Common Name: Black Marsh Trotter

Material Examined: Glassine (11), Slide (wing)

*Tamea onusta* Hagen, 1861

English Common Name: Red Saddlebags

Material Examined: Pinned (2), Glassine (29), Exuviae (1)

*Tamea rustica* De Marmels & Rácenis, 1982

Material Examined: Glassine (1)

*Tramea virginia* (Rambur, 1842)

Synonyms: *Libellula virginia* Rambur, 1842; *Libellula chinensis* De Geer, 1773 (nec Linnaeus, 1758)

Material Examined: Glassine (33), Slide (wing)

***Trithemis*** Brauer, 1868

*Trithemis annulata* (Beauvois, 1807)

Synonyms: *Libellula annulata* Palisot de Beauvois, 1807; *Libellula rubrinervis* Selys, 1841; *Libellula haematina* Rambur, 1842; *Libellula obsoleta* Rambur, 1842; *Tramea erythraea* Brauer, 1867; *Trithemis violacea* Sjöstedt, 1900; *Trithemis scortecii* Nielsen, 1935

English Common Name: Violet Dropwing

Material Examined: Pinned (2), Glassine (12), Slide (mouthparts)

*Trithemis aurora* (Burmeister, 1839)

Synonyms: *Libellula aurora* Burmeister, 1839; *Trithemis soror* Brauer, 1868 (nec Rambur, 1842); *Trithemis adelpha* Selys, 1878; *Trithemis fraterna* Albarda in Veth, 1881; *Trithemis congener* Kirby, 1890; *Crocothemis misrai* Baijal & Agarwal, 1955

English Common Name: Crimson Marsh Glider

Material Examined: Glassine (~105), Slide (wing)

*Trithemis donaldsoni* (Calvert, 1899)

Synonyms: *Pseudomacromia donaldsoni* Calvert, 1899; *Trithemis erlangeri* Förster, 1906

English Common Name:

Material Examined: Slide (mouthparts, wing)

*Trithemis dorsalis* (Rambur, 1842)

Synonyms: *Libellula dorsalis* Rambur, 1842; *Stoechia distanti* Kirby, 1898; *Misthotus ambiguus* Kirby, 1905; *Misthotus marshalli* Kirby, 1905

English Common Name: Highland Dropwing

Material Examined: Glassine (1)

*Trithemis festiva* (Rambur, 1842)

Synonyms: *Libellula festiva* Rambur, 1842; *Libellula infernalis* Brauer, 1865; *Trithemis proserpina* Selys, 1878

English Common Name: Black Stream Glider

Material Examined: Pinned (1), Glassine (19), Slide (wing)

*Trithemis kirbyi* Selys, 1891

Synonyms: *Libellula ardens* Gerstäcker, 1891; *Trithemis dallonia* Navás, 1936; *Trithemis comorensis* Fraser, 1959

English Common Name: Orange-winged Dropwing

Material Examined: Glassine (~60)

*Trithemis nuptialis* Karsch, 1894

English Common Name: Hairy-legged Dropwing

Material Examined: Glassine (6)

*Trithemis pallidinervis* (Kirby, 1889)

Synonyms: *Sympetrum pallidinervis* Kirby, 1889; *Trithemis dryas* Selys, 1891

English Common Name: Dancing Dropwing

Material Examined: Glassine (~35), Slide (wing)

*Tyriobapta* Kirby, 1889

*Tyriobapta torrida* Kirby, 1889

Material Examined: Glassine (2)

*Uracis* Rambur, 1842

*Uracis fastigiata* (Burmeister, 1839)

Synonyms: *Libellula fastigiata* Burmeister, 1839; *Uracis fastigiata pura* Förster, 1909;

*Uracis fastigiata machadina* Förster, 1910

English Common Name: Large Woodskimmer

Material Examined: Glassine (2), Slide (wing)

*Uracis imbuta* (Burmeister, 1839)

Synonyms: *Libellula imbuta* Burmeister, 1839; *Uracis quadra* Rambur, 1842

English Common Name: Common Woodskimmer

Material Examined: Glassine (72), Slide (wing)

*Uracis infumata* (Rambur, 1842)

Synonyms: *Libellula infumata* Rambur, 1842; *Uracis ovata* Calvert, 1909

Material Examined: Glassine (23)

*Uracis oviposatrix* Calvert, 1909

Synonyms: *Pronomaja mimetica* Förster, 1909

Material Examined: Glassine (3), Slide (wing)

*Uracis siemensii* Kirby, 1897

Material Examined: Glassine (3)

***Urothemis*** Brauer, 1868

*Urothemis bisignata* Brauer, 1868

Synonyms: *Urothemis consignata* Selys, 1897

Material Examined: Slide (wing)

*Urothemis edwardsii* (Selys in Lucas, 1849)

Synonyms: *Libellula edwardsii* Selys in Lucas, 1849; *Urothemis iridescens* Kirby, 1898;

*Urothemis rendalli* Kirby, 1898

English Common Name: Blue Basker

Material Examined: Slide (mouthparts, wing)

*Urothemis signata* (Burmeister, 1839)

Synonyms: *Libellula signata* Rambur, 1842; *Libellula sanguinea* Burmeister, 1839 (nec

Müller, 1764); *Libellula insignata* Selys, 1872; *Urothemis yiei* Asahina, 1972

English Common Name: Greater Crimson Glider

Material Examined: Glassine (23)

***Zenithoptera*** Selys, 1869

*Zenithoptera fasciata* (Linnaeus, 1758)

Synonyms: *Libellula fasciata* Linnaeus, 1758; *Libellula americana* Linnaeus, 1758;

*Libellula violacea* De Geer, 1773

English Common Name: Rainforest Bluewing

Material Examined: Glassine (36), Slide (wing)

***Zygonyx*** Selys in Hagen, 1867

*Zygonyx ida* Selys, 1869

Synonyms: *Pseudomacromia luxuriosa* Karsch, 1893

Material Examined: Slide (wing)

*Zygonyx iris* Selys, 1869

Synonyms: *Zygonyx davina* Fraser, 1926; *Zygonidia malayana* Laidlaw, 1902; *Zygonyx*

*iris errans* Lieftinck, 1953

English Common Name: Emerald Cascader

Material Examined: Glassine (1), Slide (wing)

*Zygonyx luctifer* Selys, 1869

Material Examined: Glassine (4), Slide (wing)

***Zyxomma*** Rambur, 1842

*Zyxomma obtusum* Albarda, 1881

Material Examined: Glassine (6)

*Zyxomma petiolatum* Rambur, 1842

Synonyms: *Zyxomma sechellarum* Martin, 1896

English Common Name: Brown Dusk Hawk

Material Examined: Slide (wing)

### **Macromiidae**

***Didymops*** Rambur, 1842

*Didymops floridensis* Davis, 1921

English Common Name: Florida Cruiser

Material Examined: Pinned (1), Glassine (11), Exuviae (40)

*Didymops transversa* (Says, 1839)

Synonyms: *Libellula transversa* Say, 1840; *Epopthalmia cinnamomea* Burmeister, 1839

(nomen oblitum); *Didymops servillii* Rambur, 1842

English Common Name: Stream Cruiser

Material Examined: Pinned (7), Glassine (76), Exuviae (29), Slide (wing)

***Epopthalmia*** Burmeister, 1839

*Epopthalmia elegans* (Brauer, 1865)

Synonyms: *Macromia elegans* Brauer, 1865

English Common Name: Regal Pond Cruiser

Material Examined: Slide (mouthparts, wingpads)

***Macromia*** Rambur, 1842

*Macromia alleghaniensis* Williamson, 1909

English Common Name: Allegheny River Cruiser

Material Examined: Glassine (3)

*Macromia amphigena* Selys, 1871

Synonyms: *Macromia amphigena fraenata* Martin, 1906; *Macromia sibirica*

Djakonov, 1926; *Macromia bartenevi* Belyshev, 1973

Material Examined: Glassine (1)

*Macromia annulata* Hagen, 1861

Synonyms: *Macromia caderita* Needham, 1950

Type Material: CUIC #3080, Holotype (*Macromia caderita*)

English Common Name: Bronzed River Cruiser

Material Examined: Glassine (1)

*Macromia gerstaeckeri* Krüger, 1899

Material Examined: Slide (mouthparts, wing)

*Macromia illinoiensis* Walsh, 1862

Synonyms: *Epopthalmia georgina* Selys, 1878; *Macromia australensis* Williamson,  
1909

English Common Name: Swift River Cruiser

Material Examined: Pinned (6), Glassine (16)

*Macromia magnifica* MacLachlan in Selys, 1862

Synonyms: *Macromia rickeri* Walker, 1937

English Common Name: Western River Cruiser

Material Examined: Pinned (2), Glassine (3), Slide (mouthparts, wing)

*Macromia margarita* Westfall, 1947

Type Material: CUIC #3022, Holotype/Allotype

English Common Name: Mountain River Cruiser

*Macromia negrito* Needham and Gyger, 1937

Type Material: CUIC #3094, Holotype/Allotype

*Macromia pacifica* Hagen, 1861

Synonyms: *Macromia flavipennis* Walsh, 1862

English Common Name: Gilded River Cruiser

Material Examined: Pinned (1)

*Macromia taeniolata* Rambur, 1842

Synonyms: *Macromia wabashensis* Williamson, 1909

English Common Name: Royal River Cruiser

Material Examined: Pinned (2), Glassine (14), Exuviae (21)

*Macromia urania* Ris, 1916

English Common Name: Club-tailed Cruiser

Material Examined: Glassine (1), Slide (wing)

### **Petularidae**

***Phenes*** Rambur, 1842

*Phenes raptor* Rambur, 1842

Synonyms: *Phenes raptor centralis* Jurzitza, 1989

Material Examined: Pinned (4), Glassine (7), Slide (wing)

***Tachopterex*** Uhler in Selys, 1859

*Tachopterex thoreyi* (Selys, 1858)

Synonyms: *Uropetala thoreyi* Selys, 1858

English Common Name: Gray Petaltail

Material Examined: Pinned (6), Glassine (6)

***Tanypteryx*** Kennedy, 1917

*Tanypteryx hageni* (Selys, 1879)

Synonyms: *Tachopteryx hageni* Selys, 1879

English Common Name: Black Petaltail

Material Examined: Pinned (1), Glassine (10), Slide (wing)

*Uropetala* Selys, 1858

*Uropetala carovei* (White, 1846)

Synonyms: *Petalura carovei* White in Dieffenbach, 1843

English Common Name: New Zealand Giant (Bush) Dragonfly

Material Examined: Pinned (1)

*Uropetala chiltoni* Tillyard, 1924

English Common Name: New Zealand Giant (Mountain) Dragonfly

Material Examined: Pinned (1)

### **Synthemistidae**

*Eusynthemis* Förster, 1903

*Eusynthemis brevistyla* (Selys, 1871)

Synonyms: *Synthemis brevistyla* Selys, 1871

English Common Name: Small Tigertail

Material Examined: Pinned (1), Glassine (1)

*Eusynthemis guttata* (Selys, 1871)

Synonyms: *Synthemis guttata* Selys, 1871

English Common Name: Southern Tigertail

Material Examined: Pinned (3), Glassine (1), Slide (wing)

***Gomphomacromia*** Brauer, 1864

*Gomphomacromia chilensis* Martin, 1921

Synonyms: *Gomphomacromia mexicana* Needham, 1933

Type Material: Holotype (*Gomphomacromia mexicana*)

*Gomphomacromia fallax* McLachlan, 1881

Material Examined: Pinned (1)

*Gomphomacromia paradoxa* Brauer, 1864

Synonyms: *Gomphomacromia paradoxa effusa* Navás, 1918; *Gomphomacromia paradoxa tinctoria* Navás, 1918; *Gomphomacromia etcheverryi* Fraser, 1957

Material Examined: Pinned (6), Glassine (1), Slide (wing)

***Idionyx*** Hagen, 1867

*Idionyx claudia* Ris, 1912

Synonyms: *Idionyx pseudovictor* Xu, 1913

Material Examined: Pinned (1), Slide (wing)

*Idionyx philippa* Ris, 1912

Synonyms: *Idiophya salva* Needham & Gyger, 1937

Type Material: CUIIC #3562, Holotype (*Idiophya salva*)

Material Examined: Pinned (3), Slide (wing)

***Macromidia*** Martin, 1907

*Macromidia samal* Needham and Gyger, 1937

Type Material: CUIC #3095, Holotype

***Oxygastra*** Selys, 1870

*Oxygastra curtisii* (Dale, 1834)

Synonyms: *Cordulia curtisii* Dale, 1834; *Cordulia compressa* Stephens, 1835; *Libellula nitens* Fonscolombe, 1837

English Common Name: Orange-spotted Emerald

Material Examined: Pinned (4), Glassine (5), Exuviae (5), Slide (mouthparts, wing)

***Parasynthemis*** Carle, 1995

*Parasynthemis regina* (Selys, 1874)

Synonyms: *Synthemis regina* Selys, 1874

English Common Name: Royal Tigertail

Material Examined: Glassine (1)

***Synthemis*** Selys, 1870

*Synthemis eustalacta* (Burmeister, 1839)

Synonyms: *Epophthalmia eustalacta* Burmeister, 1839

English Common Name: Swamp Tigertail

Material Examined: Slide (wing)

## ANISOZYGOPTERA

### Epiophlebiidae

*Epiophlebia* Calvert, 1903

*Epiophlebia superstes* (Selys, 1889)

Synonyms: *Palaeophlebia superstes* Selys, 1889

English Common Name: Japanese Relict Dragonfly

Material Examined: Pinned (2), Glassine (1), Slide (wings)

## ZYGOPTERA

### Argiolestidae

*Austroargiolestes* Kennedy, 1925

*Austroargiolestes icteromelas* (Selys, 1862)

Synonyms: *Argiolestes icteromelas* Selys, 1862; *Argiolestes icteromelas nobilis*

Tillyard, 1913; *Argiolestes calcaris tenuis* Fraser, 1959; *Austroargiolestes*

*icteromelas nigrolabiatus* Theischinger and O'Farrell, 1986

English Common Name: Common Flatwing

Material Examined: Pinned (1), Glassine (1), Slide (wing)

*Metagrion* Calvert, 1913

*Metagrion ornatum* (Selys, 1878)

Synonyms: *Argiolestes ornatus* Selys, 1878; *Argiolestes obscura* Selys, 1878

Material Examined: Glassine (1)

## Calopterygidae

*Archineura* Kirby, 1894

*Archineura incarnata* (Karsch, 1891)

Synonyms: *Echo incarnata* Karsch, 1891; *Archineura basilactea* Kirby, 1894

Material Examined: Glassine (2), Slide (wing)

*Atrocalopteryx* Dumont, Vanfleteren, De Jonckheere & Weekers, 2005

*Atrocalopteryx atrata* (Selys, 1853)

Synonyms: *Calopteryx atrata* Selys, 1853; *Calopteryx grandaeva* Selys, 1853;

*Calopteryx smaragdina* Selys, 1853; *Vestalis tristis* Navas, 1932

Material Examined: Glassine (10)

*Atrocalopteryx oberthueri* (McLachlan, 1894)

Synonyms: *Calopteryx oberthueri* McLachlan, 1894; *Agrion grahami* Needham

1930

Type Material: CUIIC #No. 988, Synonym (*Agrion grahami*)

Material Examined: Glassine (1), Slide (wings)

Notes: 1 glassine specimen out on loan

*Caliphaea* Hagen in Selys, 1859

*Caliphaea confusa* Hagen in Selys, 1859

Synonym: *Notholestes elwesi* McLachlan, 1887

Material Examined: Slide (wing)

*Caliphaea consimilis* McLachlan, 1894

Material Examined: Slide (wing)

***Calopteryx*** Leach in Brewster, 1815

*Calopteryx aequabilis* Say, 1840

Synonyms: *Agrion aequabilis* Say 1840; *Calopteryx hudsonica* Hagen, 1877;

*Calopteryx aequabilis yakima* Hagen 1889; *Calopteryx virginica* Muttkowski,

1910; *Agrion aequabile coloradicum* Cockerell, 1913

English Common Name: River Jewelwing

Material Examined: Pinned (1), Glassine (12)

*Calopteryx amata* Hagen 1889

English Common Name: Superb Jewelwing

Material Examined: Glassine (3)

*Calopteryx angustipennis* (Selys, 1853)

Synonyms: *Sylphis angustipennis* Selys, 1853; *Sylphis elegans* Selys, 1853

English Common Name: Appalachian Jewelwing

Material Examined: Glassine (8), Slide (wing)

*Calopteryx cornelia* Selys, 1853

Material Examined: Glassine (6)

*Calopteryx dimidiata* Burmeister, 1839

Synonyms: *Calopteryx apicalis* Burmeister, 1839; *Calopteryx cognata* Rambur, 1842

English Common Name: Sparkling Jewelwing

Material Examined: Glassine (~90), Slide (wing)

*Calopteryx haemorrhoidalis* (Vander Linden, 1825)

Synonyms: *Agrion haemorrhoidalis* Vander Linden, 1825; *Calopteryx papyreti* Selys, 1854; *Calopteryx haemorrhoidalis occasi* Capra, 1945; *Calopteryx haemorrhoidalis asturica* Ocharan, 1983; *Calopteryx haemorrhoidalis almogravensis* Hartung, 1996

English Common Name: Copper Demoiselle

Material Examined: Glassine (16)

*Calopteryx maculata* (Beauvois, 1805)

Synonyms: *Agrion maculata* Beauvois, 1805; *Libellula virgo* Dury, 1773; *Agrion virginica* Westwood, 1837; *Calopteryx holosericea* Burmeister, 1839; *Calopteryx materna* Say, 1840; *Calopteryx opaca* Say, 1840; *Calopteryx papilionacea* Rambur, 1842; *Calopteryx maculata floridana* Huggins, 1927

English Common Name: Ebony Jewelwing

Material Examined: Pinned (32), Glassine (~140), Slide (wing)

*Calopteryx splendens* (Harris, 1780)

Synonyms: *Libellula splendens* Harris, 1780; *Libellula ludovicea* Fourcroy, 1785;

*Agrion cellaris* Selys in Meisser, 1831; *Agrion virescens* Selys in Meisser, 1831;

*Agrion parthenais* Burmeister, 1839; *C. s. ancilla* Selys, 1853; *C. s. taurica* Selys,

1853; *C. s. mingrelica* Selys, 1869; *C. s. intermedia* Selys, 1887; *C. s. tuempeli*

Scholtz, 1908; *C. s. tschaldirica* Bartenev, 1909; *C. s. cretensis* Pongracz, 1911;

*Calopteryx intermedia persica* Bartenev, 1912; *Calopteryx intermedia cecilia* Bartenev,

1912; *Calopteryx amasina* Bartenev, 1912; *C. s. ciscaucasica* Bartenev, 1925; *C. s.*

*balcanica* Fudakowski, 1930; *C. s. cartvelica* Bartenev, 1930; *Agrion splendens*

erevanense Akramowski, 1948; *C. s. johanseni* Belyshev, 1955; *C. s. pseudosyriaca*

Buchholz, 1955; *C. s. caprai* Conci in Conci & Nielson, 1956; *C. s. waterstoni*

Schneider, 1984; *C. s. njuja* Kosterin & Sivtseva, 2009

English Common Name: Banded Demoiselle

Material Examined: Glassine (~15)

*Calopteryx xanthostoma* (Charpentier, 1815)

Synonyms: *Agrion xanthostoma* Charpentier, 1815; *Agrion splendens pfeifferi*

Gotz, 1923

English Common Name: Western Demoiselle

Material Examined: Glassine (1)

*Calopteryx virgo* (Linnaeus, 1758)

Synonyms: *Libellula virgo* Linnaeus, 1758; *Libellula splendeo* Harris, 1780;  
*Agrion nicaeensis* Risso, 1826; *Agrion cyaneus* Selys in Meisser, 1831; *Agrion oeni*  
Selys in Meisser, 1831; *Agrion festiva* Bruelle, 1832; *Calepteryx anceps* Stephens,  
1835; *Calepteryx ludoviciana* Stephens, 1835; *Agrion colchicus* von Eichwald, 1837;  
*Agrion vesta* Charpentier, 1839; *Calopteryx inornata* Selys, 1840; *C. v. meridionalis*  
Selys, 1873; *Calopteryx violacea* Dziedzielewicz, 1902; *C. v. britannica* Conci, 1952;  
*C. v. padana* Conci in Conci & Nielson, 1956; *Calopteryx pseudoneurobasis* St.  
Quentin, 1958; *C. v. feminalis* Kosterin, 2017

English Common Name: Beautiful Demoiselle

Material Examined: Glassine (11), Slide (wing, mouthparts, gills)

***Hetaerina*** Hagen in Selys, 1853

*Hetaerina amazonica* Sjöstedt, 1918

Material Examined: Glassine (2), Slide (wing)

*Hetaerina americana* (Fabricius, 1798)

Synonyms: *Agrion americana* Fabricius, 1798; *Lestes basalis* Say, 1840;

*Hetaerina basalis* Hagen in Selys, 1859; *Hetaerina californica* Hagen in Selys, 1859;  
*Hetaerina pseudamericana* Walsh, 1863; *Hetaerina scelerata* Walsh, 1863; *Hetaerina*  
*texana* Walsh, 1863

English Common Name: American Rubyspot

Material Examined: Pinned (17), Glassine (~80), Slide (wing, mouthparts)

*Hetaerina auripennis* (Burmeister, 1839)

Synonyms: *Calopteryx auripennis* Burmeister, 1839; *Hetaerina divina* Hagen in Selys, 1854; *Hetaerina purpurea* Selys, 1854

Material Examined: Glassine (2)

*Hetaerina brightwelli* (Kirby, 1823)

Synonyms: *Agrion brightwelli* Kirby, 1823

English Common Name:

Material Examined: Glassine (2)

*Hetaerina caja* (Drury, 1773)

Synonyms: *Libellula caia* Drury, 1773; *Hetaerina dominula* Hagen in Selys, 1853

English Common Name: River Rubyspot

Material Examined: Glassine (15), Slide (wing, abdomen)

*Hetaerina capitalis* Selys, 1873

Synonyms: *Hetaerina tolteca* Calvert, 1901; *Hetaerina capitalis colombiana*

Navas, 1923

English Common Name: Bronze Rubyspot

Material Examined: Glassine (1), Slide (wing)

*Hetaerina cruentata* (Rambur, 1842)

Synonyms: *Calopteryx cruentata* Rambur, 1842; *Calopteryx luteola* Rambur,  
1842

English Common Name: Highland Rubyspot

Material Examined: Glassine (24), Slide (wing)

*Hetaerina charca* (Calvert, 1909)

Material Examined: Slide (wing)

*Hetaerina hebe* Selys, 1853

Synonyms: *Hetaerina sanguinolenta* Hagen in Selys, 1853

Material Examined: Glassine (1)

*Hetaerina infecta* Calvert, 1901

Type Material: CUIC #4124, Paratype

English Common Name: Emerald Rubyspot

Material Examined: Glassine (1)

*Hetaerina longipes* Selys, 1853

Synonyms: *Hetaerina carnifex* Hagen in Selys, 1853; *Hetaerina carnifex fulgens*  
Hagen in Selys, 1853

Material Examined: Glassine (2)

*Hetaerina miniata* Selys, 1879

English Common Name: Red-striped Rubyspot

Material Examined: Glassine (4), Slide (wing)

*Hetaerina moribunda* Selys, 1853

Material Examined: Glassine (1), Slide (wing)

*Hetaerina occisa* Selys, 1853

Synonyms: *Hetaerina macropus* Selys, 1853; *Hetaerina occisa albistigma* Hagen in Selys, 1853; *Hetaerina heterosticta* Selys, 1854; *Hetaerina occisa asticta* Selys, 1873; *Hetaerina occisa sublimbata* Selys, 1873

English Common Name: Racket-tipped Rubyspot

Material Examined: Glassine (~25), Slide (wing)

*Hetaerina rosea* Selys, 1853

Synonyms: *Hetaerina donna* Selys, 1873

Material Examined: Slide (wing)

*Hetaerina sanguinea* Selys, 1853

Synonyms: *Hetaerina brevistyla* Selys, 1879

Material Examined: Glassine (8), Slide (wing)

*Hetaerina simplex* Selys, 1853

Synonyms: *Hetaerina perplex* Selys, 1869

Material Examined: Glassine (6)

*Hetaerina titia* (Drury, 1773)

Synonyms: *Libellula titia* Drury, 1773; *Calopteryx tricolor* Burmeister, 1839;  
*Hetaerina septentrionalis* Selys, 1853; *Hetaerina tricolor* Selys, 1853; *Hetaerina*  
*tricolor limbata* Selys, 1853; *Hetaerina rupamnensis* Walsh, 1863; *Hetaerina*  
*rupinsulensis* Walsh 1863; *Hetaerina bipartita* Selys, 1873

English Common Name: Smoky Rubyspot

Material Examined: Glassine (~35), Slide (wing)

*Hetaerina vulnerata* Selys, 1853

English Common Name: Canyon Rubyspot

Material Examined: Glassine (10), Slide (wing)

*Iridictyon* Needham & Fisher, 1940

*Iridictyon myersi* Needham and Fisher, 1940

Type Material: CUIC #3146, Paratype

Material Examined: Glassine (2)

*Matrona* Selys, 1853

*Matrona basilaris* Selys, 1853

Synonyms: *Matrona kricheldorffi* Karsch, 1892

Material Examined: Glassine (~40)

*Matrona japonica* Forster, 1897

Synonyms: *Matrona basilaris japonica* Forster, 1897; *Calopteryx okinawana*

Matsumura, 1931

Material Examined: Glassine (1)

*Mnais* Selys, 1853

*Mnais andersoni* Selys, 1873

Synonyms: *Mnais earnshawi* Williamson, 1904

English Common Name: Anderson's Greenwing

Material Examined: Glassine (17)

*Mnais mneme* Ris, 1916

Synonyms: *Mnais earnshawi thoracicus* May, 1935

English Common Name: Indochinese Copperwing

Material Examined: Glassine (7)

*Mnais pruinosa* Selys, 1853

Synonyms: *Mnais strigata* Hagen in Selys, 1854; *Sapho nigra* Selys, 1854

Material Examined: Glassine (7)

*Mnais tenuis* Oguma, 1913

Synonyms: *Mnais decolorata* Bartenev, 1913; *Mnais auripennis* Needham, 1930;

*Mnais pieli* Navas, 1936

Type Material: CUIC #975, Allotype/Paratype (*Mnais auripennis*)

Material Examined: Glassine (2)

***Mnesarete*** Cowley, 1934

*Mnesarete pudica* (Selys, 1853)

Synonyms: *Lais pudica* Hagen in Selys, 1853; *Mnesarete pudica phryne* Costa,  
1986

Material Examined: Glassine (1)

***Neurobasis*** Selys, 1853

*Neurobasis chinensis* (Linnaeus, 1758)

Synonyms: *Libellula chinensis* Linnaeus, 1758; *Agrion nobilitata* Fabricius, 1777;  
*Calopteryx disparilis* Rambur, 1842; *Calopteryx sinensis* Walker, 1853;  
*Calopteryx sinensis florida* Hagen in Walker, 1853

English Common Name: Green-winged Demoiselle

Material Examined: Glassine (~25), Slide (wing)

***Neurobasis kaupi*** Brauer, 1867

Synonyms: *Neurobasis kaupi pavo* Lieftinck, 1955

English Common Name: Great Blue Metalwing

Material Examined: Slide (wing)

***Neurobasis luzoniensis*** Selys, 1879

English Common Name: Luzon Metalwing

Material Examined: Glassine (~150)

***Phaon*** Selys, 1853

*Phaon iridipennis* (Burmeister, 1839)

Synonyms: *Calopteryx iridipennis* Burmeister, 1839; *Phaon fuliginosus* Selys, 1879; *Sapho iridipennis occidentalis* Forster, 1906

English Common Name: Glistening Demoiselle

Material Examined: Glassine (9), Slide (wing)

***Psolodesmus*** McLachlan, 1870

*Psolodesmus mandarinus* McLachlan, 1870

Synonyms: *Psolodesmus dorothea* Williamson, 1904

Type Material: CUIC #3145, Paratype

Material Examined: Glassine (1)

***Umma*** Kirby, 1890

*Umma longistigma* (Selys, 1869)

Synonyms: *Sapho longistigma* Selys, 1869

Material Examined: Slide (wing)

***Vestalaria*** May, 1935

*Vestalaria velata* (Ris, 1912)

Synonyms: *Vestalis velata* Ris, 1912; *Vestalis virens* Needhams, 1930

Material Examined: Slide (wing)

*Vestalis* Selys, 1853

*Vestalis amoena* Selys, 1853

English Common Name: Metallic Green Demoiselle

Material Examined: Glassine (2)

*Vestalis lugens* Selys, 1879

Material Examined: Glassine (2)

*Vestalis gracilis* (Rambur, 1842)

Synonyms: *Calopteryx gracilis* Rambur, 1842

English Common Name: Clear-winged Forest Glory

Material Examined: Glassine (5), Slide (wing)

*Vestalis melania* Selys, 1873

Material Examined: Glassine (5), Slide (wing)

## **Chlorocyphidae**

*Aristocypha* Laidlaw, 1950

*Aristocypha cuneata* (Selys, 1853)

Synonyms: *Rhinocypha cuneata* Selys, 1853; *Rhinocypha adamantina* Forster, 1903; *Rhinocypha bifenestrata* Fraser, 1922

Material Examined: Glassine (1), Slide (wing)

*Aristocypha fenestrella* (Rambur 1842)

Synonyms: *Rhinocypha fenestralla* Rambur, 1842

English Common Name: Peacock Jewel

Material Examined: Glassine (2), Slide (wing)

*Aristocypha hilaryae* (Fraser, 1927)

Synonyms: *Rhinocypha hilaryae* Fraser, 1927; *Rhinocypha hilaryae iaoa* Lahiri  
and Sinha, 1991

Material Examined: Glassine (3)

***Chlorocypha*** Fraser, 1928

*Chlorocypha curta* (Selys, 1853)

Synonyms: *Libellago curta* Selys, 1853; *Libellago decorata* Karsch, 1893;

*Chlorocypha curta bicolor* Fraser, 1941

English Common Name: Blue-tipped Jewel

Material Examined: Glassine (1)

***Cyrano*** Needham & Gyger, 1939

*Cyrano unicolor* (Selys, 1853)

Synonyms: *Rhinocypha unicolor* Selys, 1853; *Libellago asiatica* Selys, 1879

Material Examined: Glassine (~20), Slide (wing)

***Heliocypha*** Fraser, 1949

*Heliocypha angusta* (Selys, 1853)

Synonyms: *Rhinocypha angusta* Selys, 1853; *Rhinocypha apicalis* Kruger, 1898;

*Rhinocypha angusta oceanis* Lieftinck, 1947

Material Examined: Glassine (1)

*Heliocypha biforata* (Selys, 1859)

Synonyms: *Rhinocypha biforata* Selys, 1859; *Rhinocypha biforata delimbata*

Selys, 1879; *Rhinocypha beelsoni* Fraser, 1922; *Rhinocypha biforata abbreviata*

Fraser, 1928

Material Examined: Glassine (1)

*Heliocypha perforata* (Percheron, 1835)

Synonyms: *Agrion perforatus* Percheron, 1835; *Rhynocypha perforata limbata*

Selys, 1879; *Rhinocypha whiteheadi* Kirby, 1900; *Rhinocypha inas* Laidlaw, 1902;

*Rhinocypha quatuordecimmaculata* Oguma, 1913; *Rhynocypha perforata beatifica*

Fraser, 1927; *Rhinocypha albistigma* Matsumura, 1931 (nec Selys, 1873); *Rhinocypha*

*maculata* Matsumura, 1931; *Heliocypha yunnanensis* Zhou and Zhou, 2004

English Common Name: Common Blue Jewel

Material Examined: Glassine (3), Slide (wing)

***Libellago*** Selys, 1840

*Libellago blanda* (Hagen in Selys, 1853)

Synonyms: *Micromerus blanda* Hagen in Selys, 1853

Material Examined: Slide (wing)

*Libellago indica* (Fraser, 1928)

Synonyms: *Micromerus lineatus indica* Fraser, 1928

English Common Name: Southern Heliodor

Material Examined: Glassine (2)

*Libellago lineata* (Burmeister, 1839)

Synonyms: *Calopteryx lineata* Burmeister, 1839; *Micromerus uxor* Rambur, 1842; *Micromerus obscurus* Kirby, 1886; *Micromerus signatus* Kruger, 1898

English Common Name: River Heliodor, Stream Heliodor

Material Examined: Slide (wing)

***Platycypha*** Fraser, 1949

*Platycypha caligata* (Selys, 1853)

Synonyms: *Libellago caligata* Selys, 1853; *Libellao ambigua* Gerstaecker, 1869; *Libellago caligata hartmanni* Forster, 1897; *Libellago sulphuripes* Poulton, 1929

English Common Name: Dancing Jewel

Material Examined: Glassine (3), Slide (wing)

***Rhinocypha*** Rambur, 1842

*Rhinocypha colorata* Hagen in Selys, 1869

Material Examined: Glassine (~150), Slide (wing)

*Rhinocypha drusilla* Needham, 1930

Synonyms: *Indocypha maolanensis* Zhou & Bao in Li & Jin, 2002

Type Material: CUIC #976, Holotype

*Rhinocypha tinctoria* Rambur 1842

Synonyms: *Rhinocypha semitincta* Selys, 1869; *Rhinocypha albistigma* Selys, 1873; *Rhinocypha tinctoria amanda* Lieftinck, 1938; *Rhinocypha tinctoria dentiplaga* Lieftinck, 1938; *Rhinocypha tinctoria retrograda* Lieftinck, 1938; *Rhinocypha tinctoria sagitta* Lieftinck, 1938; *Rhinocypha tinctoria adusta* Lieftinck, 1949

English Common Name: Papaun Jewel

Material Examined: Glassine (1), Slide (wing)

*Rhinocypha turconii* Selys, 1891

Material Examined: Slide (wing)

## **Coenagrionidae**

***Acanthagrion*** Selys, 1876

*Acanthagrion gracile* (Rambur, 1842)

Synonyms: *Agrion gracile* Rambur, 1842; *Acanthagrion gracile cuneatum* Selys, 1876; *Acanthagrion minarum* Selys, 1876; *Acanthagrion gracile maculae* Sjostedt, 1918

Material Examined: Slide (wing)

*Acanthagrion truncatum* Selys, 1876

Material Examined: Slide (wing)

***Aciagrion*** Selys, 1891

*Aciagrion hisopa* (Selys, 1876)

Synonyms: *Pseudagrion hisopa* Selys, 1876; *Aciagrion aciculare* Lieftinck, 1929

Material Examined: Glassine (5)

*Aciagrion pallidum* Selys, 1891

English Common Name: Pale Slender Dartlet

Material Examined: Glassine (1)

***Aeolagrion*** Williamson, 1917

*Aeolagrion dorsale* (Burmeister, 1839)

Synonyms: *Agrion dorsale* Burmeister, 1839; *Hylaeagrion argeneolineatum*

Forster, 1906

Material Examined: Glassine (1)

*Agriocnemis* Selys, 1877

*Agriocnemis exsudans* Selys, 1877

Material Examined: Pinned (11)

*Agriocnemis femina* (Brauer, 1868)

Synonyms: *Agrion femina* Brauer, 1868; *Agriocnemis incisa* Hagen in Selys; 1877; *Agriocnemis pulverulans* Selys, 1877; *Agriocnemis femina oryzae* Lieftinck, 1962

English Common Name: Variable Wisp

Material Examined: Glassine (~140+), Slide (wing)

*Agriocnemis lacteola* Selys, 1877

English Common Name: Milky Dartlet

Material Examined: Slide (wing)

*Agriocnemis pygmaea* (Rambur, 1842)

Synonyms: *Agrion pygmaeum* Rambur, 1842; *Agriocnemis australis* Selys, 1877; *Agriocnemis velaris* Hagen in Selys, 1882; *Agrion kagiensis* Matsumura, 1911; *Agriocnemis hyacinthus* Tillyard, 1913

English Common Name: Pygmy Wisp

Material Examined: Glassine (3), Slide (wing)

*Amphiagrion* Selys, 1876

*Amphiagrion abbreviatum* (Selys, 1876)

Synonyms: *Pyrrhosoma abbreviatum* Selys, 1876

English Common Name: Western Red Damsel

Material Examined: Pinned (1), Glassine (15)

*Amphiagrion saucium* (Burmeister, 1839)

Synonyms: *Agrion saucium* Burmeister, 1839; *Agrion discolor* Burmeister, 1839

English Common Name: Eastern Red Damsel

Material Examined: Pinned (8), Glassine (42), Slide (mouthparts)

*Amphiallagma* Kennedy, 1920

*Amphiallagma parvum* (Selys, 1876)

Synonyms: *Enallagma* (?) *parvum* Selys, 1876; *Ischnura immsi* Laidlaw, 1913

English Common Name: Azure Dartlet

Material Examined: Glassine (1)

*Anisagrion* Selys, 1876

*Anisagrion truncatipenne* Calvert, 1902

English Common Name: Guatemalan Pearlwing

Material Examined: Slide (wing)

*Anomisma* McLachlan, 1877

*Anomisma abnorme* McLachlan, 1877

Synonyms: *Microstigma terminatum* McLachlan, 1877

Material Examined: Pinned (2)

***Antiagrion*** Ris, 1904

*Antiagrion gayi* (Selys, 1876)

Synonyms: *Erythromma* (?) *gayi* Selys, 1876

Material Examined: Glassine (1), Slide (wing)

***Argia*** Rambur, 1842

*Argia agrioides* Calvert, 1895

English Common Name: California Dancer

Material Examined: Glassine (~10), Slide (wing)

*Argia alberta* Kennedy, 1918

English Common Name: Paiute Dancer

Material Examined: Glassine (1)

*Argia hinei* Kennedy, 1918

English Common Name: Lavender Dancer

Material Examined: Glassine (1)

*Argia apicalis* (Say, 1840)

Synonyms: *Agrion apicalis* Say, 1840

English Common Name: Blue-fronted Dancer

Material Examined: Pinned (8), Glassine (22)

*Argia bipunctulata* (Hagen, 1861)

Synonyms: *Agrion bipunctulatum* Hagen, 1861; *Argia bipustulata* Kirby, 1890  
(lapsus)

English Common Name: Seepage Dancer

Material Examined: Glassine (~15), Slide (wing)

*Argia difficilis* Selys, 1865

Synonyms: *Argia machadina* Forster, 1914; *Argia foficula* Fraser, 1946

Material Examined: Glassine (1)

*Argia emma* Kennedy, 1918

English Common Name: Emma's Dancer

Material Examined: Glassine (3)

*Argia extranea* (Hagen, 1861)

Synonyms: *Agrion extraneum* Hagen, 1861; *Argia mista* Navas, 1934

English Common Name: Spine-tipped Dancer

Material Examined: Glassine (10)

*Argia fissa* Selys, 1865

Synonyms: *Argia columbiana* Navas, 1924

English Common Name: Azure Dancer

Material Examined: Glassine (16)

*Argia frequentula* Calvert, 1907

Type Material: CUIC #7014, Paratype

Material Examined: Glassine (2)

*Argia fumipennis* (Burmeister, 1839)

Synonyms: *Agrion fumipenne* Burmeister, 1839; *Argia obscura* Rambur, 1842;

*Agrion violaceum* Hagen, 1861; *Argia fumipennis atra* Gloyd, 1968

English Common Name: Variable Dancer

Material Examined: Pinned (10), Glassine (~100), Slide (wing)

*Argia funcki* (Selys, 1854)

Synonyms: *Hyponeura funcki* Selys, 1854

English Common Name: Big Red Dancer

Material Examined: Glassine (2)

*Argia immunda* (Hagen, 1861)

Synonyms: *Agrion immundum* Hagen, 1861

English Common Name: Kiowa Dancer

Material Examined: Glassine (2)

*Argia infumata* Selys, 1865

Material Examined: Glassine (2)

*Argia johannella* Calvert, 1907

English Common Name: Bristle-tipped Dancer

Material Examined: Glassine (1)

*Argia lilacina* Selys, 1865

Synonyms: *Argia thisma* Calvert, 1909

Material Examined: Glassine (1)

*Argia lugens* (Hagen, 1861)

Synonyms: *Agrion lugens* Hagen, 1861

English Common Name: Sooty Dancer

Material Examined: Glassine (9)

*Argia moesta* (Hagen, 1861)

Synonyms: *Agrion moestum* Hagen, 1861; *Agrion putridum* Hagen, 1861; *Argia*

*intruda* Williamson, 1912

English Common Name: Powdered Dancer

Material Examined: Pinned (12), Glassine (~75)

*Argia munda* Calvert, 1902

Synonyms: *Argia rita* Kennedy, 1919

English Common Name: Apache Dancer

Material Examined: Slide (wing)

*Argia nahuana* Calvert, 1902

Synonyms: *Argia saalasi* Valle, 1942

English Common Name: Aztec Dancer

Material Examined: Glassine (4)

*Argia oculata* Hagen in Selys, 1865

Synonyms: *Argia eliptica* Selys, 1865; *Argia icterica* Navas, 1934

English Common Name: Oculate Dancer

Material Examined: Glassine (1)

*Argia oenea* Hagen in Selys, 1865

English Common Name: Fiery-eyed Dancer

Material Examined: Glassine (1)

*Argia pipila* Calvert, 1907

English Common Name: Pipila Dancer

Material Examined: Glassine (1)

*Argia plana* Calvert, 1902

Synonyms: *Argia spegazzinii* Navas, 1934

English Common Name: Springwater Dancer

Material Examined: Glassine (11)

*Argia pulla* Hagen in Selys, 1865

Synonyms: *Argia lobata* Navas, 1924

English Common Name: Purple Dancer

Material Examined: Glassine (13)

*Argia sedula* (Hagen, 1861)

Synonyms: *Agrion sedulum* Hagen, 1861

English Common Name: Blue-ringed Dancer

Material Examined: Pinned (2), Glassine (~65)

*Argia sordida* Hagen in Selys, 1865

Synonyms: *Argia dimissa* Selys, 1865

Material Examined: Glassine (1)

*Argia tibialis* (Rambur, 1842)

Synonyms: *Platycnemis tibialis* Rambur, 1842; *Agrion fontium* Hagen, 1861;

*Agrion fontium rosaceous* Hagen, 1861; *Agrion binotatum* Walsh, 1862

English Common Name: Blue-tipped Dancer

Material Examined: Glassine (~45+)

*Argia translata* Hagen in Selys, 1865

Synonyms: *Argia espinalensis* Navás, 1935

English Common Name: Dusky Dancer

Material Examined: Glassine (11)

*Argia tezpi* Calvert, 1902

English Common Name: Tezpi Dancer

Material Examined: Glassine (1)

*Argia vivida* Hagen in Selys, 1865

Synonyms: *Argia kurilis* Hagen in Selys, 1865

English Common Name: Vivid Dancer

Material Examined: Glassine (~60), Slide (wing)

*Argiocnemis* Selys, 1877

*Argiocnemis rubescens* Selys, 1877

Synonyms: *Argiocnemis lunulata* Selys, 1877; *Argiocnemis nigricans* Selys,

1877; *Argiocnemis rubeola* Selys, 1877; *Argiocnemis rubeola intermedia* Selys, 1877

English Common Name: Red-tipped Shadefly

Material Examined: Glassine (~20), Slide (wing)

*Austroagrion* Tillyard, 1913

*Austroagrion cyane* (Selys, 1872)

Synonyms: *Pseudagrion cyane* Selys, 1872; *Pseudagrion coeruleum* Tillyard, 1908

English Common Name: South-western Billabongfly

Material Examined: Glassine (3)

***Austrocoenagrion*** Kennedy, 1920

*Austrocoenagrion lyelli* (Tillyard, 1913)

Synonyms: *Aggrion lyelli* Tillyard, 1913; *Aggrion brisbanense* Tillyard, 1917

Type Material: CUIC #4067, Paratype

English Common Name: Swamp Bluet

Material Examined: Glassine (1)

***Ceriagrion*** Selys, 1876

*Ceriagrion aeruginosum* (Brauer, 1868)

Synonyms: *Aggrion aeruginosum* Brauer, 1868; *Ceriagrion erubescens* Selys, 1891

English Common Name: Redtail

Material Examined: Glassine (2)

*Ceriagrion azureum* (Selys, 1891)

Synonyms: *Pseudagrion azureum* Selys, 1891; *Ceragrion coeruleum* Laidlaw, 1919

Type Material: CUIC #3552, Holotype

English Common Name: Azure Marsh Bluet

*Ceriagrion calamineum* Lieftinck, 1976

Material Examined: Glassine (~150)

*Ceriagrion coromandelianum* (Fabricius, 1798)

Synonyms: *Agrion coromandeliana* Fabricius, 1798; *Agrion cerinum* Rambur, 1842

English Common Name: Coromandel Marsh Dart

Material Examined: Glassine (7)

*Ceriagrion fallax* Ris, 1914

Synonyms: *Ceriagrion fallax cerinomelas* Lieftinck, 1927; *Ceriagrion fallax pendleburyi* Laidlaw, 1931; *Himalagrion pithoragarhicum* Sahni, 1964

English Common Name: Black-tailed Marsh Dart

Material Examined: Glassine (9)

*Ceriagrion glabrum* (Burmeister, 1839)

Synonyms: *Agrion glabrum* Burmeister, 1839; *Agrion rhomboidalis* Palisot de Beauvois, 1807 (nomen oblitum); *Agrion ferrugineum* Rambur, 1842; *Ceriagrion longispinum* Pinhey, 1963

English Common Name: Common Citril

Material Examined: Glassine (2), Slide (wing)

*Ceriagrion melanurum* Selys, 1876

Material Examined: Glassine (1)

*Ceriagrion tenellum* (de Villers, 1789)

Synonyms: *Libellula tenella* de Villers, 1789; *Agrion rubella* Vander Linden, 1820;

*Agrion fulvipes* Stephens, 1835; *Ceriagrion tenellum nielseni* Schmidt, 1953

English Common Name: Small Red Damsel

Material Examined: Glassine (4)

***Chromagrion*** Needham, 1903

*Chromagrion conditum* (Selys, 1876)

Synonyms: *Erythromma? conditum* Hagen in Selys, 1876

English Common Name: Aurora Damsel

Material Examined: Glassine (~15), Slide (wing, mouthparts, gill)

***Coenagrion*** Kirby, 1890

*Coenagrion angulatum* Walker, 1912

English Common Name: Prairie Bluet

Material Examined: Glassine (10)

*Coenagrion armatum* (Charpentier, 1840)

Synonyms: *Agrion armatum* Charpentier, 1840; *Agrion armatum minor*  
Belyshev, 1955

English Common Name: Norfolk Damselfly

Material Examined: Glassine (1)

*Coenagrion caerulescens* (Fonscolombe, 1838)

Synonyms: *Agrion caerulescens* Fonscolombe, 1838; *Agrion aquisextanum*  
Rambur, 1842; *Coenagrion caerulescens pygmaea* Navás, 1919; *Agrion caerulescens*  
*caesarum* Schmidt, 1959; *Agrion caerulescens theryi* Schmidt, 1959; *Coenagrion*  
*caerulescens isabelae* Conesa-García, 1995

English Common Name: Mediterranean Bluet

Material Examined: Glassine (1)

*Coenagrion lanceolatum* (Selys, 1872)

Synonyms: *Agrion lanceolatum* Selys in Selys & McLachlan, 1872; *Coenagrion*  
*simillimum* Bartenev, 1912

Material Examined: Glassine (4)

*Coenagrion mercuriale* (Charpentier, 1840)

Synonyms: *Agrion mercuriale* Charpentier, 1840; *Agrion fonscolombii* Rambur,  
1842; *Agrion hermeticum* Selys, 1872; *Coenagrion castellani* Roberts, 1948

English Common Name: Southern Damselfly

Material Examined: Glassine (2), Slide (wing)

*Coenagrion ornatum* (Selys, 1850)

Synonyms: *Agrion ornatum* Selys, 1850; *Agrion ornatum hastulatiformis*

Puschnig, 1926; *Coenagrion vanbrinki* Lohmann, 1931

English Common Name: Ornate Bluet

Material Examined: Glassine (1)

*Coenagrion puella* (Linnaeus, 1758)

Synonym: *Libellula puella* Linnaeus, 1758; *Libellula aureus* Harris, 1780; *Libellula lucifugus* Harris, 1780; *Libellula caerulea-maculata* Retzius, 1783; *Libellula adelais* Geoffroy in Fourcroy, 1785; *Libellula dorothea* Geoffroy in Fourcroy, 1785; *Libellula sophia* Geoffroy in Fourcroy, 1785; *Agrion pupa* Hansemann, 1823; *Agrion furcatum* Charpentier, 1825; *Puella irina* Brullé, 1832; *Agrion annulare* Stephens, 1835; *Agrion ivanovi* Belyshev, 1955; *Agrion puella kocheri* Schmidt, 1960

English Common Name: Azure Damselfly

Material Examined: Slide (wing)

*Coenagrion pulchellum* (Vander Linden, 1825)

Synonyms: *Agrion pulchella* Vander Linden, 1825; *Agrion interruptum* Charpentier, 1825; *Agrion bilineatum* Schimer, 1913; *Agrion nigrum* Belyshev, 1964; *Agrion saisanicum* Belyshev, 1964; *Agrion sibiricum* Belyshev, 1964; *Agrion pulchellum mediterraneum* Schmidt, 1964

English Common Name: Variable Damselfly

Material Examined: Glassine (3)

*Coenagrion scitulum* (Rambur, 1842)

Synonyms: *Agrion scitulum* Rambur, 1842; *Agrion distinctum* Rambur, 1842

English Common Name: Dainty Damselfly

Material Examined: Glassine (5)

***Cyanallagma*** Kennedy, 1920

*Cyanallagma interruptum* (Selys, 1876)

Synonyms: *Acanthagrion interruptum* Selys, 1876

Material Examined: Slide (wing)

***Enallagma*** Charpentier, 1840

*Enallagma anna* Williamson, 1900

Synonyms: *Enallagma culicinarum* Byers, 1927

Type Material: CUIC #803, Holotype (*Enallagma culicinarum*)

English Common Name: River Bluet

*Enallagma annexum* (Hagen, 1861)

Synonyms: *Agrion annexum* Hagen, 1861; *Aenallagma robustum* Selys, 1875

English Common Name: Northern Bluet

Material Examined: Glassine (25)

*Enallagma antennatum* (Say, 1840)

Synonyms: *Agrion antennatum* Say, 1840; *Enallagma fischeri* Kellicott, 1895

English Common Name: Rainbow Bluet

Material Examined: Glassine (9)

*Enallagma aspersum* (Hagen, 1861)

Synonyms: *Agrion aspersum* Hagen, 1861

English Common Name: Azure Bluet

Material Examined: Glassine (~25)

*Enallagma basidens* Calvert, 1902

English Common Name: Double-striped Bluet

Material Examined: Glassine (13), Slide (wing)

*Enallagma boreale* Selys, 1875

Synonyms: *Enallagma calverti* Morse, 1895

English Common Name: Boreal Bluet

Material Examined: Glassine (~25)

*Enallagma cardenium* Hagen in Selys, 1876

English Common Name: Purple Bluet

Material Examined: Glassine (20)

*Enallagma coecum* (Hagen, 1861)

Synonyms: *Agrion coecum* Hagen, 1861; *Enallagma krugii* Kolbe, 1888

English Common Name: Antillean Bluet

Material Examined: Glassine (~12)

*Enallagma carunculatum* Morse, 1895

Synonyms: *Enallagma optimolocus* Miller & Ivie, 1996

English Common Name: Tule Bluet

Material Examined: Glassine (~30), Slide (wing)

*Enallagma civile* (Hagen, 1861)

Synonyms: *Agrion civile* Hagen, 1861; *Enallagma civile similis* Selys, 1876

English Common Name: Familiar Bluet

Material Examined: Pinned (1), Glassine (~50)

*Enallagma clausum* Morse, 1895

English Common Name: Alkali Bluet

Material Examined: Glassine (3)

*Enallagma concisum* Williamson, 1922

English Common Name: Cherry Bluet

Material Examined: Glassine (12)

*Enallagma cyathigerum* (Charpentier, 1840)

Synonyms: *Agrion cyathigerum* Charpentier, 1840; *Agrion charpentieri* Selys,

1840; *Agrion pulchrum* Hagen, 1840; *Agrion brunnea* Evans, 1845; *Enallagma nigrothorax* Le Roi, 1914; *Enallagma ornatiformis* Le Roi, 1914; *Enallagma rotundatum* Bartenev, 1929; *Agrion antiquum* Bartenev, 1956 (nec Pictet-Baraban & Hagen in Berendt, 1856); *Enallagma continentale* Belyshev, 1956; *Enallagma risi* Schmidt, 1961; *Enallagma strouhali* St. Quentin, 1962; *Enallagma mongolicum* Benedek, 1968; *Enallagma possompesi* Heymer, 1968; *Enallagma nigrolineatum* Belyshev & Haritonov, 1975

English Common Name: Common Blue Damselfly

Material Examined: Glassine (9), Slide (mouthparts)

*Enallagma daeckii* (Calvert, 1903)

Synonyms: *Telagrion* (?) *daeckii* Calvert, 1903

English Common Name: Attenuated Bluet

Material Examined: Glassine (2)

*Enallagma davisii* Westfall, 1943

Type Material: CUIC #2146, Allotype/Holotype

English Common Name: Sandhill Bluet

*Enallagma divagans* Selys, 1876

English Common Name: Turquoise Bluet

Material Examined: Glassine (14), Slide (wing)

*Enallagma doubledayi* (Selys, 1850)

Synonyms: *Agrion doubledayi* Selys, 1850

English Common Name: Atlantic Bluet

Material Examined: Glassine (~75)

*Enallagma dubium* Root, 1924

English Common Name: Burgundy Bluet

Material Examined: Glassine (1)

*Enallagma durum* (Hagen, 1861)

Synonyms: *Agrion durum* Hagen, 1861

English Common Name: Big Bluet

Material Examined: Glassine (13)

*Enallagma ebrium* (Calvert, 1895)

Synonyms: *Agrion ebrium* Calvert, 1895

English Common Name: Marsh Bluet

Material Examined: Glassine (~50)

*Enallagma exsulans* (Hagen, 1861)

Synonyms: *Agrion exsulans* Hagen, 1861

English Common Name: Stream Bluet

Material Examined: Glassine (53)

*Enallagma geminatum* Kellicott, 1895

Synonyms: *Enallagma piscinarium* Williamson, 1899

English Common Name: Skimming Bluet

Material Examined: Glassine (12)

*Enallagma hageni* (Walsh, 1863)

Synonyms: *Agrion hageni* Walsh, 1863

English Common Name: Hagen's Bluet

Material Examined: Glassine (~25)

*Enallagma laterale* Morse, 1895

English Common Name: New England Bluet

Material Examined: Glassine (2)

*Enallagma minusculum* Morse, 1895

English Common Name: Little Bluet

Material Examined: Glassine (6)

*Enallagma novaehispaniae* Calvert, 1907

Synonyms: *Enallagma ypsilon* Needham, 1942

Type Material: CUIC #3082, Holotype (*Enallagma ypsilon*)

English Common Name: Neotropical Bluet

*Enallagma pollutum* (Hagen, 1861)

Synonyms: *Agrion pollutum* Hagen, 1861

English Common Name: Florida Bluet

Material Examined: Glassine (~15), Slide (wing)

*Enallagma pallidum* Root, 1923

English Common Name: Pale Bluet

Material Examined: Glassine (8)

*Enallagma praevarum* (Hagen, 1861)

Synonyms: *Agrion praevarum* Hagen, 1861; *Agrion dentiferum* Walsh, 1863

English Common Name: Arroyo Bluet

Material Examined: Glassine (5)

*Enallagma recurvatum* Davis, 1913

English Common Name: Pine Barrens Bluet

Material Examined: Glassine (5)

*Enallagma signatum* (Hagen, 1861)

Synonyms: *Agrion signatum* Hagen, 1861; *Agrion dentigerum* Walsh, 1863

English Common Name: Orange Bluet

Material Examined: Glassine (55)

*Enallagma sulcatum* Williamson, 1922

English Common Name: Golden Bluet

Material Examined: Glassine (8)

*Enallagma traviatum* Selys, 1876

Synonyms: *Enallagma westfalli* Donnelly, 1964

English Common Name: Slender Bluet

Material Examined: Glassine (3)

*Enallagma vesperum* Calvert, 1919

Synonyms: *Enallagma laurenti* Calvert, 1919

English Common Name: Vesper Bluet

Material Examined: Glassine (4)

*Enallagma weewa* Byers, 1927

Type Material: CUIC #804, Allotype/Paratype

English Common Name: Blackwater Bluet

Material Examined: Glassine (10)

*Erythromma* Charpentier, 1840

*Erythromma najas* (Hansemann, 1823)

Synonyms: *Agrion najas* Hansemann, 1823; *Agrion analis* Vander Linden, 1825;

*Agrion chloridion* Charpentier, 1825; *Erythromma humerale* Selys, 1887; *Erythromma nigrithorax* Förster, 1902; *Erythromma bipunctatum* Schimer, 1913; *Erythromma immaculatum* Schimer, 1913; *Erythromma puellaris* Schimer, 1913; *Erythromma baicalense* Belyshev, 1964

English Common Name: Red-eyed Damselfly

Material Examined: Glassine (3), Slide (mouthparts, gill)

*Erythromma viridulum* (Charpentier, 1840)

Synonyms: *Agrion viridulum* Charpentier, 1840; *Agrion bremii* Rambur, 1842;

*Erythromma latistrigis* Le Roi, 1914; *Erythromma puellare* Le Roi, 1914 (nec Schimer, 1913); *Erythromma orientale* Schmidt, 1960

English Common Name: Small Red-eyed Damselfly

Material Examined: Glassine (3)

***Hesperagrion*** Calvert, 1902

*Hesperagrion heterodoxum* (Selys, 1868)

Synonyms: *Agrion heterodoxum* Selys, 1868; *Amphiagrion heterodoxum flavescens* Selys, 1868

English Common Name: Painted Damsel

Material Examined: Slide (mouthparts, gills, legs)

***Hivaagrion*** Hämäläinen & Marinov, 2014

*Hivaagrion halecarpenteri* (Mumford, 1942)

Synonyms: *Bedfordia halecarpenteri* Mumford, 1942; *Coenagrion interruptum*

Needham, 1932 (nec Charpentier, 1825)

Type Material: CUIC #3739, Holotype/Paratype (*Coenagrion interruptum*)

*Hivaagrion demorsum* (Needham, 1933)

Synonyms: *Pseudagrion demorsum* Needham, 1933

Type Material: CUIC #3741, Holotype (*Pseudagrion demorsum*)

***Homeoura*** Kennedy, 1920

*Homeoura chelifera* (Selys, 1876)

Synonyms: *Acanthagrion (?) cheliferum* Selys, 1876; *Acanthagrion cheliferum*

*rusticum* Calvert, 1909

Material Examined: Slide (wing, legs, mouthparts, abdomen)

***Huosoma*** Guan, Dumont, Yu, Han & Vierstraete, 2013

*Huosoma tinctipenne* (McLachlan, 1894)

Synonyms: *Erythromma tinctipennis* McLachlan, 1894

Material Examined: Glassine (10)

***Ischnura*** Charpentier, 1840

*Ischnura asiatica* (Brauer, 1865)

Synonyms: *Aggrion asiaticum* Brauer, 1865; *Ischnura lobata* Needham, 1929

Type Material: CUIC #983, Allotype/Paratype/Holotype (*Ischnura lobata*)

Material Examined: Glassine (4)

*Ischnura aurora* (Brauer, 1865)

Synonyms: *Agrion aurora* Brauer, 1865; *Agrion spinicauda* Brauer, 1865;

*Ischnura delicata* Hagen in Selys, 1876; *Agriocnemis amelia* Needham, 1930; *Ischnura*

*aurora viduata* Lieftinck, 1942; *Ischnura rhodosoma* Lieftinck, 1959

English Common Name: Aurora Bluetail

Material Examined: Glassine (5), Slide (wing)

*Ischnura barberi* (Currie, 1903)

Synonyms: *Ischnura rhodosoma* Lieftinck, 1959

English Common Name: Desert Forktail

Material Examined: Slide (wing)

*Ischnura capreolus* (Hagen, 1861)

Synonyms: *Agrion capreolus* Hagen, 1861

English Common Name: Tiny Forktail

Material Examined: Glassine (17), Slide (wing)

*Ischnura cervula* Selys, 1876

English Common Name: Pacific Forktail

Material Examined: Pinned (1), Glassine (16), Slide (wing)

*Ischnura damula* Calvert, 1902

English Common Name: Plains Forktail

Material Examined: Glassine (4)

*Ischnura denticollis* (Burmeister, 1839)

Synonyms: *Agrion denticolle* Burmeister, 1839; *Ischnura exstriata* Calvert, 1895

English Common Name: Black-fronted Forktail

Material Examined: Glassine (6), Slide (wing, mouthpart, gill)

*Ischnura elegans* (Vander Linden, 1825)

Synonyms: *Agrion elegans* Vander Linden, 1825; *Agrion pupilla* Hansemann, 1823; *Agrion tuberculatum* Charpentier, 1825; *Agrion ezonatum* Stephens, 1835; *Agrion rufescens* Stephens, 1835; *Agrion aglae* Fonscolombe, 1838; *Agrion rubens* Evans, 1845; *Agrion excelsa* Rostok, 1885; *Agrion magma* Rostok, 1885; *Ischnura lamellata* Kolbe, 1885; *Ischnura elegans ebneri* Schmidt, 1938; *Ischnura elegans marquardi* Schmidt, 1938; *Ischnura elegans mortoni* Schmidt, 1938; *Ischnura elegans pontica* Schmidt, 1938

English Common Name: Blue-tailed Damselfly

Material Examined: Glassine (5)

*Ischnura gemina* (Kennedy, 1917)

Synonyms: *Celaenura gemina* Kennedy, 1917

English Common Name: San Francisco Forktail

Material Examined: Glassine (1)

*Ischnura graellsii* (Rambur, 1842)

Synonyms: *Agrion graellsii* Rambur, 1842; *Agrion algerum* Selys, 1850; *Ischnura maroccana* Kolbe, 1884

English Common Name: Iberian Bluetail

Material Examined: Glassine (15)

*Ischnura hastata* (Say, 1839)

Synonyms: *Agrion hastata* Say, 1839; *Agrion anomalum* Rambur, 1842; *Agrion venerinotata* Haldermann, 1844

English Common Name: Citrine Forktail

Material Examined: Pinned (8), Glassine (99), Slide (wing, mouthparts, exuvia)

*Ischnura heterosticta* (Burmeister, 1839)

Synonyms: *Agrion heterostictum* Burmeister, 1839; *Agrion distigma* Brauer, 1869; *Ischnura tasmanica* Tillyard, 1913; *Ischnura torresiana* Tillyard, 1913

English Common Name: Australian Bluetail

Material Examined: Glassine (1)

*Ischnura kellicotti* Williamson, 1898

English Common Name: Lilypad Forktail

Material Examined: Glassine (13)

*Ischnura perparva* Selys, 1876

English Common Name: Western Forktail

Material Examined: Pinned (1), Glassine (16), Slide (wing, legs, gills)

*Ischnura posita* (Hagen, 1861)

Synonyms: *Agrion positum* Hagen, 1861; *Ischnura acicularis* Donnelly, 1865;

*Ischnura posita atezca* Novelo & Peña-Olmedo, 1989

English Common Name: Fragile Forktail

Material Examined: Pinned (9), Glassine (58), Slide (wings)

*Ischnura prognata* (Hagen, 1861)

Synonyms: *Agrion prognatum* Hagen, 1861

English Common Name: Furtive Forktail

Material Examined: Glassine (7), Slide (wing)

*Ischnura rubilio* Selys, 1876

Synonyms: *Ischnura bhimtalensis* Sahni, 1965

English Common Name: Western Golden Dartlet

Material Examined: Glassine (1)

*Ischnura ramburii* (Selys in Sagra, 1857)

Synonyms: *Agrion ramburii* Selys in Sagra, 1857; *Agrion tuberculatum* Selys in

Sagra, 1857 (nec Charpentier, 1825); *Agrion ramburii aurantiacum* Hagen, 1861;  
*Agrion credulum* Hagen, 1861; *Agrion defixum* Hagen, 1861; *Agrion iners* Hagen, 1861

English Common Name: Rambur's Fortkail

Material Examined: Pinned (2), Glassine (~70)

*Ischnura rufostigma* Selys, 1876

Synonyms: *Ischnura annandalei* Laidlaw, 1919; *Ischnura mildredae* Fraser, 1927;

*Ischnura carpentieri* Fraser, 1946; *Ischnura rufostigma montana* Asahina, 1991

Material Examined: Glassine (1)

*Ischnura senegalensis* (Rambur, 1842)

Synonyms: *Agrion senegalense* Rambur, 1842; *Enallagma brevispina*  
Selys, 1876

English Common Name: Marsh Bluetail

Material Examined: Glassine (12)

*Ischnura verticalis* (Say, 1840)

Synonyms: *Agrion verticalis* Say, 1840; *Amphiagrion amphion* Selys, 1876;

*Agrion canadense* Provancher, 1876

English Common Name: Eastern Forktail

Material Examined: Pinned (6), Glassine (139), Slide (wing, mouthparts)

Notes: 1 box of adults

***Leptobasis*** Selys, 1877

*Leptobasis vacillans* Hagen in Selys, 1877

Synonyms: *Leptobasis vacillans atrodorsum* Calvert, 1902; *Hylaeagrion croceum*

Förster, 1906; *Leptobasis vacillans ecuadorica* Calvert, 1909; *Leptobasis vacillans guianae* Calvert, 1909

English Common Name: Red-tipped Swampdamselfly

Material Examined: Glassine (~10)

***Leptocnemis*** Selys, 1886

*Leptocnemis cyanops* (Selys, 1869)

Synonyms: *Trichocnemis cyanops* Selys, 1869; *Trichocnemis bilineata* Selys, 1869

English Common Name: Seychelles Featherleg

Material Examined: Slide (wing)

***Mecistogaster*** Rambur, 1842

*Mecistogaster amalia* (Burmeister, 1839)

Synonyms: *Agrion amalia* Burmeister, 1839; *Agrion linearis* Blanchard, 1840 (nec Fabricius, 1777); *Mecistogaster filiformis* Rambur, 1842; *Mecistogaster leucostigma* Rambur, 1842; *Mecistogaster linearis* Rambur, 1842 (nec Fabricius, 1777); *Mecistogaster virgatus* Rambur, 1842

English Common Name: Amalia Helicopter

Material Examined: Glassine (1)

*Mecistogaster linearis* (Fabricius, 1777)

Synonyms: *Agrion linearis* Fabricius, 1777; *Mecistogaster filigerus* Rambur, 1842; *Mecistogaster flavistigma* Rambur, 1842; *Mecistogaster linearis infumata* Fraser, 1946

English Common Name: Long-tailed Helicopter

Material Examined: Pinned (7), Glassine (2)

*Mecistogaster lucretia* (Drury, 1773)

Synonyms: *Libellula lucretia* Drury, 1773; *Agrion linearis* Olivier, 1792 (nec Fabricius, 1777); *Libellula longissima* Linnaeus in Fée, 1832; *Agrion tullia* Burmeister, 1839; *Mecistogaster filum* Rambur, 1842; *Mecistogaster marchali* Rambur, 1842; *Mecistogaster pedicellatus* Rambur, 1842; *Mecistogaster signatus* Rambur, 1842; *Mecistogaster hauxwelli* Selys, 1886

Material Examined: Pinned (1), Glassine (4)

*Mecistogaster modesta* Selys, 1860

Synonyms: *Mecistogaster iphigenia* Selys, 1886; *Mecistogaster marchali selysia* Navás, 1923

English Common Name: Bromeliad Helicopter

Material Examined: Pinned (1), Glassine (3)

*Mecistogaster ornata* Rambur, 1842

Synonyms: *Mecistogaster ornatus luctuosus* Hagen in Selys, 1860

English Common Name: Lemon-tipped Helicopter

Material Examined: Pinned (6), Glassine (2)

***Megalagrion*** McLachlan, 1883

*Megalagrion blackburni* McLachlan, 1883

English Common Name: Blackburn's Hawaiiin Damselfly

Material Examined: Glassine (1)

*Megalagrion nigrohamatum* (Blackburn, 1884)

Synonyms: *Agrion nigrohamatum* Blackburn, 1884; *Agrion nigrolineatum*

Perkins, 1899

English Common Name: Nigrohamatum Damselfly

Material Examined: Glassine (1)

*Megalagrion oceanicum* McLachlan, 1883

English Common Name: Oceanic Hawaiiin Damselfly

Material Examined: Glassine (1)

*Megalagrion xanthomelas* Selys, 1876

Synonyms: *Agrion* (?) *xanthomelas* Selys, 1876

English Common Name: Orangeblack Hawaiiin Damselfly

Material Examined: Glassine (1)

*Megaloprepus* Rambur, 1842

*Megaloprepus caerulatus* (Drury, 1782)

Synonyms: *Libellula caerulata* Drury, 1782; *Megaloprepus caerulatus brevistigma*

Selys, 1860; *Megaloprepus caerulatus latipennis* Selys, 1860

English Common Name: Blue-winged Helicopter

Material Examined: Pinned (4), Glassine (3)

*Microstigma* Rambur, 1842

*Microstigma anomalum* Rambur, 1842

Synonyms: *Microstigma proximum* Rambur, 1842; *Microstigma anomalum minor*

Selys, 1886; *Microstigma calcipennis* Fraser, 1946; *Microstigma anomalum sjoestedti*

Schmidt, 1958; *Microstigma anomalum vicinum* Schmidt, 1958

Material Examined: Glassine (1)

*Microstigma maculatum* Hagen in Selys, 1860

Synonyms: *Microstigma maculatum albopictum* Schmidt, 1958; *Microstigma*

*maculatum fassli* Schmidt, 1958

Material Examined: Glassine (1)

*Microstigma rotundatum* Selys, 1860

Synonyms: *Microstigma rotundatum exustum* Selys, 1860; *Microstigma rotundatum lunatum* Selys, 1860

Material Examined: Pinned (1), Glassine (1)

***Mortonagrion*** Fraser, 1920

*Mortonagrion selenion* (Ris, 1916)

Synonyms: *Agriocnemis selenion* Ris, 1916

Material Examined: Glassine (2)

***Nehalennia*** Selys, 1850

*Nehalennia gracilis* Morse, 1895

English Common Name: Sphagnum Sprite

Material Examined: Glassine (9)

*Nehalennia integricollis* Calvert, 1912

English Common Name: Southern Sprite

Material Examined: Pinned (1), Glassine (10), Slide (wing)

*Nehalennia irene* (Hagen, 1861)

Synonyms: *Agriion irene* Hagen, 1861; *Nehalennia carlotta* Butler, 1914

Type Material: CUIC #3546, Holotype/Allotype/Paratype (*Nehalennia carlotta*)

English Common Name: Sedge Sprite

Material Examined: Pinned (1), Glassine (~25), Slide (wing, mouthparts)

*Nehalennia minuta* (Selys in Sagra, 1857)

Synonyms: *Trichocnemys minuta* Selys in Sagra, 1857; *Agrion aduncum* Hagen,

1861; *Nehalennia sophia* Selys, 1876 (nec Selys, 1840); *Nehalennia selysi* Kirby, 1890

English Common Name: Tropical Sprite

Material Examined: Slide (wing, mouthparts, gills)

*Nehalennia speciosa* (Charpentier, 1840)

Synonyms: *Agrion speciosum* Charpentier, 1840; *Agrion sophia* Selys, 1840;

*Nehalennia sibirica* Belyshev, 1964

English Common Name: Sedgling

Material Examined: Glassine (3)

*Neoerythromma* Kennedy, 1920

*Neoerythromma cultellatum* (Selys, 1876)

Synonyms: *Enallagma cultellatum* Selys, 1876

English Common Name: Caribbean Yellowface

Material Examined: Glassine (6)

*Neoneura* Selys, 1860

*Neoneura aaroni* Calvert, 1903

English Common Name: Coral-fronted Threadtail

Material Examined: Glassine (1)

*Neoneura amelia* Calvert, 1903

English Common Name: Amelia's Threadtail

Material Examined: Glassine (1), Slide (wing)

*Neoneura carnatica* Hagen in Selys, 1886

English Common Name: Tiger Threadtail

Material Examined: Slide (wing)

*Nesobasis* Selys, 1891

*Nesobasis heteroneura* Tillyard, 1924

Type Material: CUIC #3147, Paratype

Material Examined: Glassine (1)

*Pandanobasis* Villanueva, 2012

*Pandanobasis cantuga* (Needham and Gyger, 1939)

Synonyms: *Pericnemis cantuga* Needham and Gyger, 1939

Type Material: CUIC #3540, Holotype

*Pandanobasis mcgregori* (Needham and Gyger, 1939)

Synonyms: *Amphicnemis mcgregori* Needham and Gyger, 1939

Type Material: CUIC #3543, Cotype (Paratype)

Material Examined: Glassine (1)

***Paracercion*** Weekers & Dumont, 2004

*Paracercion barbatum* (Needham, 1930)

Synonyms: *Coenagrion barbatum* Needham, 1930

Type Material: CUIC #980, Paratypes

Material Examined: Glassine (4)

*Paracercion hieroglyphicum* (Brauer, 1865)

Synonyms: *Agrion hieroglyphicum* Brauer, 1865; *Agrion? lineolatum* Selys, 1876;

*Nehalennia atrinuchalis* Selys, 1876; *Coenagrion chusanicum* Navás, 1933

Material Examined: Glassine (2)

*Paracercion melanotum* (Selys, 1876)

Synonyms: *Enallagma? melanotum* Selys, 1876; *Agrion sexlineatum* Selys,

1883; *Coenagrion admirationis* Navás, 1933; *Coenagrion trilineatum*

Navás, 1933; *Paracercion pendulum* Needham and Gyger, 1939

Type Material: CUIC #3558, Paratype (*Coenagrion pendulum*)

Material Examined: Slide (wing)

*Paracercion plagiosum* (Needham, 1930)

Synonyms: *Coenagrion plagiosum* Needham, 1930; *Coenagrion striatum*

Bartenev, 1956

Type Material: CUIC #981, Allotype/Holotype (*Coenagrion plagiosum*)

Material Examined: Slide (mouthparts, gill)

*Paracercion v-nigrum* (Needham, 1930)

Synonyms: *Coenagrion v-nigrum* Needham, 1930; *Coenagrion brevicauda*

Bartenev, 1956

Type Material: CUIC #982, Allotype/Holotype (*Coenagrion v-nigrum*)

***Pericnemis*** Selys, 1863

*Pericnemis bonita* Needham and Gyger, 1939

Type Material: CUIC #3539, Allotype/Holotype/Paratype

Material Examined: Glassine (4)

*Pericnemis flavicornis* Needham and Gyger, 1939

Type Material: CUIC #3541, Allotype/Holotype

*Pericnemis incallida* Needham and Gyger, 1939

Type Material: CUIC #3542, Paratypes

Material Examined: Glassine (8)

*Pericnemis lestoides* (Brauer, 1868)

Synonyms: *Amphicnemis lestoides* Brauer, 1868

Material Examined: Glassine (3)

***Phoenicagrion*** von Ellenrieder, 2008

*Phoenicagrion flammeum* (Selys, 1876)

Synonyms: *Leptagrion flammeum* Selys, 1876; *Leptagrion autazensis*  
Sjöstedt, 1918

Material Examined: Glassine (11)

***Protoneura*** Selys in Sagra, 1857

*Protoneura amatoria* Calvert, 1907

English Common Name: Crimson Threadtail

Material Examined: Glassine (2)

*Protoneura caligata* (Hagen in Selys, 1886)

Synonyms: *Microneura caligata* Hagen in Selys, 1886

English Common Name: Black-fronted Threadtail

Material Examined: Glassine (1)

*Protoneura capillaris* (Rambur, 1842)

Synonyms: *Agrion capillare* Rambur, 1842

Material Examined: Glassine (5), Slide (wing)

*Protoneura viridis* Westfall, 1964

Type Material: CUIC #4217, Paratypes

English Common Name: Emerald Threadtail

Material Examined: Glassine (8)

***Psaironeura*** Williamson, 1915

*Psaironeura tenuissima* (Selys, 1886)

Synonyms: *Protoneura tenuissima* Selys, 1886; *Psaironeura cerasina*

Williamson, 1915

Material Examined: Glassine (1)

***Pseudagrion*** Selys, 1876

*Pseudagrion evanidum* Needham and Gyger, 1939

Type Material: CUIC #3554 Cotypes (Paratypes)

Material Examined: Glassine (4)

*Pseudagrion ignifer* Tillyard, 1906

Synonyms: *Pseudagrion ignifer aureum* Theischinger, 1997

English Common Name: Flame-headed Riverdamselfly

Material Examined: Glassine (1)

*Pseudagrion kersteni* (Gerstaecker, 1869)

Synonyms: *Agrion kersteni* Gerstaecker, 1869; *Agrion deckeni* Gerstaecker, 1869;

*Pseudagrion praetextatum* Selys, 1876; *Pseudagrion kilimandjaricum* Sjöstedt, 1909;

*Pseudagrion williamsi* Pinhey, 1964

English Common Name: Powder-faced Sprite

Material Examined: Glassine (1)

*Pseudagrion lindicum* Grunberg, 1902

Material Examined: Glassine (2)

*Pseudagrion lucidum* Schmidt, 1951

Material Examined: Glassine (1)

*Pseudagrion microcephalum* (Rambur, 1842)

Synonyms: *Agrion microcephalum* Rambur, 1842; *Pseudagrion microcephalum stainbergerorum* Marinov, 2012

English Common Name: Blue Riverdamsel

Material Examined: Glassine (7)

*Pseudagrion pilidorsum* (Brauer, 1868)

Synonyms: *Agrion pilidorsum* Brauer, 1868

Material Examined: Glassine (~150+)

*Pseudagrion rubriceps* Selys, 1876

Synonyms: *Archibasis ceylonica* Kirby, 1891; *Pseudagrion flavifrons* Needham & Gyger, 1939

Type Material: CUIC #3553, Paratypes/Allotype (*Pseudagrion flavifrons*)

English Common Name: Orange-faced Sprite

Material Examined: Glassine (14)

***Pyrrhosoma*** Charpentier, 1840

*Pyrrhosoma elisabethae* Schmidt, 1948

English Common Name: Greek Red Damselfly

Material Examined: Glassine (2)

*Pyrrhosoma nymphula* (Sulzer, 1776)

Synonyms: *Libellula nymphula* Sulzer, 1776; *Libellula minius* Harris, 1780; *Agrion sanguinea* Vander Linden, 1825; *Agrion amazon* Hanseemann, 1823; *Agiron lincolniense* Stephens, 1835; *Moroagrion danielli* Needham & Gyger, 1939; *Pyrrhosoma nymphula interpositum* Varga, 1968

Type Material: CUIC #3559, Holotype (*Moroagrion danielli*)

English Common Name: Large Red Damselfly

Material Examined: Glassine (9)

***Sangabasis*** Villanueva, 2012

*Sangabasis dentifer* (Needham and Gyger, 1939)

Synonyms: *Teinobasis dentifer* Needham and Gyger, 1939

Type Material: CUIC #3083, Holotype

***Teinobasis*** Kirby, 1890

*Teinobasis carolinensis* Lieftinck, 1972

Material Examined: Glassine (3)

*Teinobasis corolla* Needham and Gyger, 1939

Type Material: CUIC #3544, Allotype/Holotype/ Paratype

Material Examined: Glassine (1)

*Teinobasis filamenta* Needham and Gyger, 1939

Type Material: CUIC #3084, Allotype/Holotype

*Teinobasis nigra* Campion in Laidlaw, 1928

Material Examined: Glassine (~40)

*Teinobasis recurva* (Selys, 1877)

Synonyms: *Telebasis recurva* Selys, 1877

Material Examined: Glassine (~25)

*Teinobasis rufithorax* (Selys, 1877)

Synonyms: *Telebasis rufithorax* Selys, 1877

English Common Name: Red-breasted Longtail

Material Examined: Slide (wing)

*Teinobasis samaritis* Ris, 1915

Material Examined: Glassine (~30)

*Teinobasis strigosa* Needham and Gyger, 1939

Type Material: CUIC #3545, Holotype

Material Examined: Glassine (10)

***Telebasis*** Selys, 1865

*Telebasis byersi* Westfall, 1957

Type Material: CUIC #3596, Paratype

English Common Name: Duckweed Firetail

Material Examined: Glassine (1)

*Telebasis corallina* (Selys, 1876)

Synonyms: *Erythragrion corallinum* Selys, 1876

English Common Name: Coral Firetail

Material Examined: Slide (wing)

*Telebasis demarara* (Williamson, 1917)

Synonyms: *Aeolagrion demararum* Williamson, 1917; *Telebasis fluviatilis* St.

Quentin, 1960

Material Examined: Glassine (12)

*Telebasis dominicana* (Selys in Sagra, 1857)

Synonyms: *Aggrion dominicanum* Selys in Sagra, 1857

English Common Name: West Indian Firetail

Material Examined: Slide (mouthparts, gills)

*Telebasis salva* (Hagen, 1861)

Synonyms: *Agrion salvum* Hagen, 1861; *Telebasis boucardi* Selys, 1868

English Common Name: Desert Firetail

Material Examined: Glassine (2), Slide (wing, immature)

*Telebasis vulnerata* (Hagen, 1861)

Synonyms: *Agrion vulneratum* Hagen, 1861

English Common Name: Stream Firetail

Material Examined: Slide (wing, mouthparts, gills)

*Tepuibasis* De Marmels, 2007

*Tepuibasis fulva* (Needham, 1933)

Synonyms: *Aeolagrion fulvum* Needham, 1933

Type Material: CUIIC #3987, Paratype (*Aeolagrion fulvum*)

*Xanthagrion* Selys, 1876

*Xanthagrion erythroneurum* Selys, 1876

English Common Name: Red and Blue Damsel

Material Examined: Glassine (2)

*Xanthocnemis* Tillyard, 1913

*Xanthocnemis zealandica* (McLachlan, 1873)

Synonyms: *Telebasis zealandica* McLachlan, 1873; *Telebasis sobrina*

McLachlan, 1873; *Xanthocnemis sinclairi* Rowe, 1987

English Common Name: Red Damselfly

Material Examined: Pinned (1), Glassine (1)

### **Devadattidae**

*Devadatta* Kirby, 1890

*Devadatta basilanensis* Laidlaw, 1934

Synonyms: *Devadatta filipina* Needham & Gyger, 1939

Type Material: CUIC #3555, Allotype/Paratype (*Devadatta filipina*)

### **Dicteriadiidae**

*Heliocharis* Selys, 1853

*Heliocharis amazona* Selys, 1853

Synonyms: *Heliocharis brasiliensis* Hagen in Selys, 1859; *Heliocharis libera*

Selys, 1869; *Cyanocharis valga* Needham, 1903; *Neocharis cothurnata* Förster, 1906;

*Dicterias umbra* Ris, 1918; *Dicterias peruviana* Navás, 1920; *Heliocharis paraensis*

Costa & Santos, 1991

Type Material: CUIC #3535, Holotype (*Cyanocharis valga*)

Material Examined: Slide (wing)

## Euphaeidae

*Anisopleura* Selys, 1853

*Anisopleura furcata* Selys, 1891

Material Examined: Slide (wing)

*Bayadera* Selys, 1853

*Bayadera bidentata* Needham, 1930

Type Material: CUIC #959, Allotype/Holotype

Material Examined: Glassine (1)

*Bayadera forcipata* Needham, 1930

Notes: Specimen on loan to BF Bucholtz, Bonn Germany, 7.vii.1939; likely destroyed.

*Bayadera indica* (Selys, 1853)

Synonyms: *Epallage indica* Selys, 1853

Material Examined: Glassine (1), Slide (wing)

*Bayadera melanopteryx* Ris, 1912

Synonyms: *Bayadera melania* Navás, 1934

Material Examined: Glassine (2), Slide (wing)

*Epallage* Charpentier, 1840

*Epallage fatime* (Charpentier, 1840)

Synonyms: *Agrion fatime* Charpentier, 1840; *Epallage fatime anatolica* Selys, 1869; *Epallage alma* Selys, 1879; *Epallage fatime amasina* Selys, 1879

Material Examined: Slide (wing)

***Euphaea*** Selys, 1840

*Euphaea amphicyana* Ris, 1930

Material Examined: Slide (wing)

*Euphaea cora* Ris, 1930

Material Examined: Slide (wing)

*Euphaea decorata* Hagen in Selys, 1853

English Common Name: Black-banded Gossamerwing

Material Examined: Glassine (9), Slide (wing)

*Euphaea dispar* Rambur, 1842

English Common Name: Nilgiri Torrent Dart

Material Examined: Glassine (1)

*Euphaea ochracea* Selys, 1859

Synonyms: *Euphaea brunnea* Selys, 1879

Material Examined: Glassine (1), Slide (wing)

*Euphaea opaca* Selys, 1853

English Common Name: Sooty Gossamerwing

Material Examined: Glassine (6)

*Euphaea refulgens* Hagen in Selys, 1853

Synonyms: *Euphaea semperi* Selys, 1879

Material Examined: Glassine (~90), Slide (wing)\

*Euphaea splendens* Hagen in Selys, 1853

Synonyms: *Pseudophaea carissima* Kirby, 1893; *Pseudophaea carissima viridissima* Kirby, 1893

Material Examined: Glassine (2), Slide (legs, gills, immature)

*Euphaea subcostalis* Selys, 1873

Synonyms: *Euphaea laidlawi* Kimmins, 1936

Material Examined: Glassine (1)

*Euphaea variegata* Rambur, 1842

Synonyms: *Euphaea intermedia* Krüger, 1898

English Common Name: Sudanese Gossamerwing

Material Examined: Glassine (1)

## **Hemiphlebidae**

*Hemiphlebia* Selys, 1868

*Hemiphlebia mirabilis* Selys, 1868

English Common Name: Ancient Greenling

Material Examined: Slide (wing)

## Heteragrionidae

*Heteragrion* Selys, 1862

*Heteragrion flavovittatum* Selys, 1862

Material Examined: Slide (wing)

*Heteragrion ictericum* Williamson, 1919

Material Examined: Glassine (1), Slide (wing)

*Heteragrion mitratum* Williamson, 1919

Synonyms: *Heteragrion mitratum atroterminatum* Donnelly, 1992

Material Examined: Glassine (1)

*Heteragrion silvarum* Sjöstedt, 1918

Synonyms: *Heteragrion melanurum* Williamson, 1919

Material Examined: Glassine (3)

## Hypolestidae

*Hypolestes* Gundlach, 1888

*Hypolestes clara* (Calvert, 1891)

Synonyms: *Ortholestes clara* Calvert, 1891

English Common Name: Jamaican Flatwing

Material Examined: Glassine (15), Slide (wing)

*Hypolestes trinitatis* (Gundlach, 1888)

Synonyms: *Lestes trinitatis* Gundlach, 1888; *Ortholestes abbotti* Calvert, 1894

English Common Name: Cuban Flatwing

Material Examined: Glassine (6), Slide (wing)

## **Lestidae**

*Archilestes* Selys, 1862

*Archilestes californicus* McLachlan, 1895

English Common Name: California Spreadwing

Material Examined: Glassine (9), Slide (abdomen)

*Archilestes grandis* Rambur, 1842)

Synonyms: *Lestes grandis* Rambur, 1842

English Common Name: Great Spreadwing

Material Examined: Glassine (~35), Slide (wing, mouthparts, gills)

*Austrolestes* Tillyard, 1913

*Austrolestes analis* (Rambur, 1842)

Synonyms: *Lestes analis* Rambur, 1842

English Common Name: Slender Ringtail

Material Examined: Glassine (5)

*Austrolestes annulosus* (Selys, 1862)

Synonyms: *Lestes annulosa* Selys, 1862

English Common Name: Blue Ringtail

Material Examined: Glassine (1)

*Austrolestes cingulatus* (Burmeister, 1839)

Synonyms: *Agrion cingulatum* Burmeister, 1839

English Common Name: Metallic Ringtail

Material Examined: Glassine (2), Slide (wing)

*Austrolestes colenisonis* (White and Butler, 1846)

Synonyms: *Agrion colenisonis* White in White & Gardiner Butler, 1846

English Common Name: Blue Damselfly

Material Examined: Glassine (4)

*Austrolestes leda* (Selys, 1862)

Synonyms: *Lestes leda* Selys, 1862

English Common Name: Wandering Ringtail

Material Examined: Glassine (1)

*Austrolestes psyche* (Hagen in Selys, 1862)

Synonyms: *Lestes psyche* Hagen in Selys, 1862

English Common Name: Cup Ringtail

Material Examined: Glassine (2)

***Chalcolestes*** Kennedy, 1920

*Chalcolestes viridis* (Vander Linden, 1820)

Synonyms: *Agrion viridis* Vander Linden, 1820; *Agrion leucopsallis*

Charpentier, 1825

English Common Name: Western Willow Spreadwing

Material Examined: Glassine (7)

***Indolestes*** Fraser, 1922

*Indolestes divisus* (Hagen in Selys, 1862)

Synonyms: *Lestes divisa* Hagen in Selys, 1862

Material Examined: Glassine (1)

*Indolestes extraneus* (Needham, 1930)

Synonyms: *Lestes extraneus* Needham 1930; *Lestes monteili* Navás, 1935

Type Material: CUIC #978, Holotype (*Lestes extraneus*)

*Lestes* Leach in Brewster, 1815

*Lestes australis* Walker, 1952

English Common Name: Southern Spreadwing

Material Examined: Glassine (16)

*Lestes barbarus* (Fabricius, 1798)

Synonyms: *Agrion barbara* Fabricius, 1798; *Agrion nympa* Hansemann, 1823

English Common Name: Migrant Spreadwing

Material Examined: Glassine (11)

*Lestes concinnus* Hagen in Selys, 1862

Synonyms: *Lestes umbrina* Selys, 1891; *Lestes paludosus* Tillyard, 1906; *Lestes thoracica* Laidlaw, 1920; *Orolestes motis* Baijal & Agarwal, 1955

English Common Name: Dusky Spreadwing

Material Examined: Glassine (11)

*Lestes congener* Hagen, 1861

English Common Name: Spotted Spreadwing

Material Examined: Glassine (~20)

*Lestes dichrostigma* Calvert, 1909

Type Material: CUIC #3149, Paratype

Material Examined: Glassine (2)

*Lestes disjunctus* Selys, 1862

English Common Name: Northern Spreadwing

Material Examined: Glassine (19)

*Lestes dryas* Kirby, 1890

Synonyms: *Lestes nympa* Selys, 1840 (nec Hansemann, 1823); *Agrion*

*forcipula* Zetterstedt, 1840 (nec Charpentier, 1825); *Lestes forcipula* Rambur,

1842 (nec Charpentier, 1825); *Lestes skaloni* Belyshev & Gagina, 1959

English Common Name: Emerald Spreadwing

Material Examined: Glassine (~40), Slide (wing, mouthparts)

*Lestes eurinus* Say, 1839

English Common Name: Amber-winged Spreadwing

Material Examined: Glassine (16), Slide (mouthparts)

*Lestes forcipatus* Rambur, 1842

Synonyms: *Lestes hamata* Hagen, 1861

English Common Name: Sweetflag Spreadwing

Material Examined: Pinned (1), Glassine (~20), Slide (wing, mouthparts)

*Lestes forficula* Rambur, 1842

Synonyms: *Lestes forficula striata* Selys, 1862

English Common Name: Rainpool Spreadwing

Material Examined: Glassine (~25)

*Lestes inaequalis* Walsh, 1862

English Common Name: Elegant Spreadwing

Material Examined: Glassine (11)

*Lestes macrostigma* (Eversmann, 1836)

Synonyms: *Agrion macrostigma* Eversmann, 1836

English Common Name: Dark Spreadwing

Material Examined: Glassine (1)

*Lestes minutus* Selys, 1862

Synonyms: *Lestes mediorufus* Calvert, 1909

Material Examined: Glassine (3)

*Lestes praemorsus* Hagen in Selys, 1862

Synonyms: *Lestes praemorsus decipiens* Kirby, 1894; *Lestes andamanensis*

Fraser, 1924; *Lestes praemorsus sikkima* Fraser, 1929

English Common Name: Scalloped Spreadwing

Material Examined: Glassine (1)

*Lestes rectangularis* Say, 1839

English Common Name: Slender Spreadwing

Material Examined: Pinned (1), Glassine (~70), Slide (mouthparts)

*Lestes scalaris* Gundlach, 1888

Synonyms: *Lestes scalaris* Calvert, 1909

English Common Name: Wedge-striped Spreadwing

Material Examined: Glassine (2), Slide (mouthparts, gill)

*Lestes sponsa* (Hansemann, 1823)

Synonyms: *Agrion sponsa* Hansemann, 1823; *Agrion forcipula* Charpentier, 1825; *Lestes autumnalis* Stephens, 1835; *Agrion picteti* Fonscolombe, 1838; *Agrion spectrum* Kolenati, 1856; *Lestes smaragdula* Buchecker, 1876; *Indolestes neglectus* Fröhlich, 1903; *Lestes nymphaeides* Bartenev, 1914

English Common Name: Common Spreadwing

Material Examined: Glassine (22)

*Lestes spumarius* Selys, 1862

English Common Name: Antillean Spreadwing

Material Examined: Slide (wing, gills)

*Lestes stultus* Hagen, 1861

English Common Name: Black Spreadwing

Material Examined: Glassine (1)

*Lestes tenuatus* Rambur, 1842

English Common Name: Blue-striped Spreadwing

Material Examined: Glassine (3)

*Lestes tricolor* Erichson in Schomburgk, 1848

English Common Name: Brown-striped Spreadwing

Material Examined: Glassine (1)

*Lestes unguiculatus* Hagen, 1861

English Common Name: Lyre-tipped Spreadwing

Material Examined: Glassine (22), Slide (mouthparts)

*Lestes undulatus* Say, 1840

Synonyms: *Lestes vittatus* Hagen in Selys, 1850; *Agrion viridivittatum* Blanchard  
in Gay, 1851

Material Examined: Glassine (~30)

*Lestes vidua* Hagen, 1861

English Common Name: Carolina Spreadwing

Material Examined: Glassine (3)

*Lestes vigilax* Hagen in Selys, 1862

English Common Name: Swamp Spreadwing

Material Examined: Glassine (~35), Slide (mouthparts)

*Lestes virens* (Charpentier, 1825)

Synonyms: *Agrion virens* Charpentier, 1825; *Agrion paedisca* Eversmann, 1836;  
*Lestes vestalis* Rambur, 1842; *Lestes sellata* Hagen in Selys, 1862; *Lestes virens*  
*marikovski* Belyshev, 1961

English Common Name: Small Spreadwing

Material Examined: Glassine (13)

***Sympecma*** Selys, 1840

*Sympecma fusca* (Vander Linden, 1820)

Synonyms: *Agrion fusca* Vander Linden, 1820; *Agrion phallatum* Charpentier,  
1825; *Sympecma aragonensis* Navas, 1927

English Common Name: Common Winter Damselfly

Material Examined: Glassine (2)

## **Lestoideidae**

***Diphlebia*** Selys, 1869

*Diphlebia lestoides* (Selys, 1853)

Synonyms: *Amphipteryx lestoides* Selys, 1853; *Diphlebia lestoides tillyardi*  
Fraser, 1956

English Common Name: Whitewater Rockmaster

Material Examined: Glassine (2), Slide (wing)

## **Mesopodagrionidae**

***Mesopodagrion*** McLachlan, 1896

*Mesopodagrion tibetanum* McLachlan, 1896

Synonyms: *Mesopodagrion tibetanum australe* Yu & Bu, 2009

Material Examined: Glassine (1)

### **Platycnemididae**

*Perisolestes* Kennedy, 1941

*Perissolestes remotus* Williamson and Williamson, 1924

Synonyms: *Perilestes remotus* Williamson & Williamson, 1924

Material Examined: Glassine (1)

*Perissolestes attenuatus* Selys, 186

Material Examined: Glassine (1)

### **Philogangidae**

*Philoganga* Kirby, 1890

*Philoganga vetusta* Ris, 1912

Material Examined: Glassine (4)

### **Philosinidae**

*Philosina* Ris, 1917

*Philosina buchi* Ris, 1917

Material Examined: Glassine (1)

***Rhinagrion*** Calvert, 1913

*Rhinagrion philippinum* (Selys, 1882)

Synonyms: *Amphilestes philippina* Selys, 1882

Material Examined: Glassine (4)

## **Platycnemididae**

***Calicnemia*** Strand, 1928

*Calicnemia eximia* (Selys, 1863)

Synonyms: *Calicnemis eximia* Selys, 1863; *Calicnemis atkinsoni* Selys, 1886

Material Examined: Glassine (13), slide (wing)

***Coeliccia*** Kirby, 1890

*Coeliccia albicauda* (Förster in Laidlaw, 1907)

Synonyms: *Trichocnemis octogesima albicauda* Förster in Laidlaw, 1907

Material Examined: Glassine (2)

*Coeliccia cyanomelas* (Ris, 1912)

Synonyms: *Coeliccia sexmaculata* Wang, 1994; *Coeliccia onoi* Asahina, 1997;

*Coeliccia mingxiensis* Xu, 2006; *Coeliccia wilsoni* Zhang & Huo, 2011

English Common Name: Blue Forest Damsel

Material Examined: Glassine (1), Slide (wing)

*Coeliccia didyma* (Selys, 1863)

Synonyms: *Trichocnemis didyma* Selys, 1863; *Coeliccia loringae* Laidlaw, 1932

Material Examined: Glassine (1)

***Copera*** Kirby, 1890

*Copera marginipes* (Rambur, 1842)

Synonyms: *Platycnemis marginipes* Rambur, 1842; *Platycnemis? lacteola* Selys, 1863; *Psilocnemis striatipes* Selys, 1863; *Disparoneura bhatnagri* Sahnii, 1965

English Common Name: Yellow Featherlegs

Material Examined: Glassine (7), Slide (wing, mouthparts)

***Disparoneura*** Selys, 1860

*Disparoneura quadrimaculata* (Rambur, 1842)

Synonyms: *Argia quadrimaculata* Rambur, 1842; *Platylestes orientalis* Baijal & Agerwal, 1956

English Common Name: Black-winged Bambootail

Material Examined: Glassine (1), Slide (wing)

***Elattoneura*** Cowley, 1935

*Elattoneura glauca* (Burmeister in Selys, 1860)

Synonyms: *Disparoneura glauca* Burmeister in Selys, 1860; *Disparoneura mutata* Selys, 1886; *Disparoneura alba* Förster, 1906; *Disparoneura simba* Martin, 1907

Material Examined: Glassine (1)

*Elattoneura pruinosa* (Selys, 1886)

Synonyms: *Disparoneura pruinosa* Selys, 1886; *Elattoneura aethiopia* Fraser,  
1941

Material Examined: Glassine (1)

*Igneocnemis* Hämäläinen, 1991

*Igneocnemis atripes* (Needham and Gyger, 1941)

Synonyms: *Prionocnemis atripes* Needham and Gyger, 1941

Type Material: CUIC #3549, Paratype

*Igneocnemis atropurpurea* (Brauer, 1868)

Synonyms: *Hypocnemis atropurpurea* Brauer, 1868

Material Examined: Glassine (7)

*Igneocnemis haematopus* (Selys, 1882)

Synonyms: *Hypocnemis haematopus* Selys 1882; *Risioecnemis reflexa* Kimmins,  
1936

Material Examined: Glassine (8)

*Igneocnemis incisa* (Kimmins, 1936)

Synonyms: *Risioecnemis incisa* Kimmins, 1936; *Prionocnemis ignea*  
Needham & Gyger, 1939

Material Examined: Glassine (1)

*Igneocnemis rubripes* (Needham and Gyger, 1939)

Synonyms: *Prionocnemis rubripes* Needham and Gyger, 1939

Type Material: CUIC #3561, Allotype

*Igneocnemis tendipes* (Needham and Gyger, 1941)

Synonyms: *Prionocnemis tendipes* Needham and Gyger, 1941

Type Material: CUIC #3550, Paratype

*Nososticta* Selys, 1860

*Nososticta eburnea* (Forster, 1897)

Synonyms: *Caconeura eburnea* Förster, 1897

Material Examined: Glassine (1)

*Nososticta salomonis* (Selys, 1886)

Synonyms: *Alloneura salomonis* Selys, 1886

Material Examined: Glassine (5)

*Platycnemis* Burmeister, 1839

*Platycnemis acutipennis* Selys, 1841

Synonyms: *Platycnemis diversa* Rambur, 1842; *Platycnemis algira* Kolbe, 1885

Material Examined: Glassine (3)

*Platycnemis foliacea* Selys, 1886

Synonyms: *Platycnemis foliacea sasakii* Asahina, 1949

Material Examined: Glassine (2)

*Platycnemis latipes* Rambur, 1842

Synonyms: *Platycnemis mauriciana* Selys, 1863

Material Examined: Glassine (2)

*Platycnemis pennipes* (Pallas, 1771)

Synonyms: *Libellula pennipes* Pallas, 1771; *Libellula albidella* de Villers, 1789;

*Agrion platypoda* Vander Linden, 1820; *Agrion lacteum* Charpentier, 1825

Material Examined: Glassine (7)

*Platycnemis subdilatata* Selys in Lucas, 1849

Material Examined: Glassine (2)

***Prodasineura*** Cowley, 1934

*Prodasineura autumnalis* (Fraser, 1922)

Synonyms: *Caconeura autumnalis* Fraser, 1922; *Prodasineura corvina* Lieftinck, 1930; *Indoneura dolorosa* Needham, 1930; *Caconeura autumanalis gaudawricus* Sahni, 1964

Type Material: CUIIC #984, Holotype/Paratype (*Indoneura dolorosa*)

English Common Name: Black Threadtail

Material Examined: Glassine (13)

*Prodasineura integra* (Selys, 1882)

Synonyms: *Alloneura integra* Selys, 1882; *Allonerua obsoleta* Selys, 1882

Material Examined: Slide (wing)

***Proplatycnemis*** Kennedy, 1920

*Proplatycnemis hova* (Martin, 1908)

Synonyms: *Platycnemis hova* Martin, 1908

Material Examined: Glassine (1)

***Pseudocopera*** Fraser, 1922

*Pseudocopera annulata* (Selys, 1863)

Synonyms: *Psilocnemis annulata* Selys, 1863; *Psilocnemis subannulata* Selys,

1886; *Platycnemis bilineata* Bartenev, 1910; *Pseudocopera arachnoides* Fraser, 1922

Material Examined: Slide (wings, gill, mouthparts)

***Risio cnemis*** Cowley, 1934

*Risio cnemis confusa* Hamalainen, 1991

Type Material: CUIC #6988, Paratype

Material Examined: Slide (wing)

*Risio cnemis serrata* (Hagen in Selys, 1863)

Synonyms: *Hypocnemis serrata* Hagen in Selys, 1863; *Hypocnemis cornuta*  
Brauer, 1868

Material Examined: Glassine (~185)

## **Platysticidae**

*Drepanosticta* Laidlaw, 1917

*Drepanosticta aries* Needham and Gyger, 1941

Type Material: CUIC # 3547, Paratype

*Drepanosticta mylitta* Cowley, 1936

Synonyms: *Drepanosticta septima* Needham & Gyger, 1939

Type Material: CUIC #3548, Holotype (*Drepanosticta septima*)

*Palaemnema* Selys, 1860

*Palaemnema azupizui* Calvert, 1931

Type Material: CUIC #3148, Holotype

*Palaemnema paulina* (Drury, 1773)

Synonyms: *Libellula paulina* Drury, 1773

Material Examined: Glassine (1)

## **Polythoridae**

*Chalcopteryx* Selys, 1853

*Chalcopteryx rutilans* (Rambur, 1842)

Synonyms: *Rhinocypha rutilans* Rambur, 1842; *Chalcopteryx rutilans confluens*

Schmidt, 1942

Material Examined: Slide (wing)

***Euthore*** Selys, 1869

*Euthore fasciata* (Hagen in Selys, 1853)

Synonyms: *Thore fasciata* Hagen in Selys, 1853; *Euthore plagiata* Selys, 1873;

*Euthore fasciata sulfurata* De Marmels, 1982

Material Examined: Slide (wing)

## **Pseudolestidae**

***Pseudolestes*** Kirby, 1900

*Pseudolestes mirabilis* Kirby 1900

Material Examined: Glassine (1)

## **Rimanellidae**

***Rimanella*** Needham, 1934

*Rimanella arcana* (Needham, 1933)

Synonyms: *Rima arcana* Needham, 1933

English Common Name: Pantepui Relict Damsel

Material Examined: Slide (wing)

## **Rhipidolestidae**

***Rhipidolestes*** Ris, 1912

*Rhipidolestes aculeatus* Ris, 1912

Synonyms: *Rhipidolestes montanus* Asahina, 1993; *Rhipidolestes sakishimanus*  
Asahina, 1993

Material Examined: Glassine (2)

*Rhipidolestes jucundus* Lieftinck, 1948

Material Examined: Glassine (1)

*Rhipidolestes nectans* (Needham, 1928)

Synonyms: *Taolestes nectans* Needham, 1928; *Rhipidolestes bidens* Schmidt,  
1931; *Rhipidolestes apicatus* Navás, 1934

Type Material: CUIC #977, Holotype (*Taolestes nectans*)

## Synlestidae

***Megalestes*** Selys, 1862

*Megalestes distans* Needham, 1930

Type Material: CUIC #960, Holotype/Paratype

Material Examined: Glassine (6)

*Megalestes micans* Needham, 1930

Synonyms: *Megalestes chengi* Chao, 1947; *Megalestes raychoudhuria* Lahiri,  
1987; *Megalestes discus* Wilson, 2004

Type Material: CUIC #3151, Paratype (*Megalestes chengi*)

Material Examined: Glassine (3)

***Sinolestes*** Needham, 1930

*Sinolestes editus* Needham, 1930

Synonyms: *S. ornatus* Needham, 1930; *S. truncata* Needham, 1930

Type Material: CUIC #979, Holotype (*Sinolestes truncata*)

Material Examined: Glassine (2)

***Synlestes*** Selys, 1868

*Synlestes weyersii* Selys, 1868

Synonyms: *Synlestes nigrescens* Tillyard, 1917; *Synlestes tillyardi* Fraser, 1948

Material Examined: Glassine (3)

## **Tatocnemididae**

***Tatocnemis*** Kirby, 1889

*Tatocnemis malgassica* Kirby, 1889

Material Examined: Glassine (1)

## **Thaumatoneuridae**

***Paraphlebia*** Selys in Hagen, 1861

*Paraphlebia duodecima* Calvert, 1901

Material Examined: Glassine (1)



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Table 1. Catalog of Genera Represented by Specimens in the Cornell University Insect Collection. Genera are organized alphabetically within family, and families alphabetically within suborder.

Family	Genus	No. Species	No. Types
<b>Anisoptera</b>			
Aeshnidae	<i>Aeschnophlebia</i>	1	0
	<i>Aeshna</i>	19	1
	<i>Allopetalia</i>	1	0
	<i>Anaciaeschna</i>	1	0
	<i>Anax</i>	12	0
	<i>Austroaeschna</i>	2	0
	<i>Basiaeschna</i>	1	0
	<i>Boyeria</i>	3	0
	<i>Brachytron</i>	1	0
	<i>Cephalaeschna</i>	2	2
	<i>Coryphaeschna</i>	3	0
	<i>Epiaeschna</i>	1	0
	<i>Gomphaeschna</i>	2	0
	<i>Gynacantha</i>	15	0
	<i>Indaeschna</i>	1	1
	<i>Nasiaeschna</i>	1	0
	<i>Neuraeschna</i>	1	0
	<i>Oligoaeschna</i>	1	1
	<i>Oplonaeschna</i>	1	0
	<i>Periaeschna</i>	1	0
	<i>Planaescha</i>	1	0
	<i>Polycanthagyna</i>	1	0
	<i>Rhionaeschna</i>	7	0
<i>Staurophlebia</i>	1	0	
<i>Tetracanthagyna</i>	1	0	
<i>Tricanthagyna</i>	4	0	
Austropetaliidae	<i>Phyllopetalia</i>	1	0
Chlorogomphidae	<i>Chlorogomphus</i>	2	2
Cordulegastridae	<i>Anotogaster</i>	3	0
	<i>Cordulegaster</i>	9	0
Corduliidae	<i>Cordulia</i>	2	0
	<i>Dorocordulia</i>	2	0
	<i>Epithea</i>	12	0
	<i>Helocordulia</i>	1	0
	<i>Hemicordulia</i>	7	1
	<i>Heteronaias</i>	1	0
	<i>Navicordulia</i>	1	0
	<i>Neurocordulia</i>	5	0
	<i>Procordulia</i>	5	0
<i>Rialla</i>	1	0	

	<i>Somatochlora</i>	20	2
	<i>Williamsonia</i>	1	0
Gomphidae	<i>Aphylla</i>	5	1
	<i>Archaeogomphus</i>	2	1
	<i>Anisogomphus</i>	2	0
	<i>Austrogomphus</i>	1	0
	<i>Arigomphus</i>	7	1
	<i>Asiagomphus</i>	3	2
	<i>Burmagomphus</i>	6	4
	<i>Cyanogomphus</i>	1	0
	<i>Cyclogomphus</i>	1	0
	<i>Davidius</i>	2	0
	<i>Diaphlebia</i>	1	0
	<i>Dromogomphus</i>	3	0
	<i>Ebegomphus</i>	1	1
	<i>Eogomphus</i>	1	1
	<i>Epigomphus</i>	2	1
	<i>Erpetogomphus</i>	7	1
	<i>Euthygomphus</i>	1	0
	<i>Gastrogomphus</i>	1	0
	<i>Gomphidia</i>	4	0
	<i>Gomphurus</i>	10	2
	<i>Gomphus</i>	5	0
	<i>Hagenius</i>	1	0
	<i>Heliogomphus</i>	3	1
	<i>Hemigomphus</i>	1	0
	<i>Hylogomphus</i>	5	2
	<i>Ictinogomphus</i>	4	0
	<i>Labrogomphus</i>	1	1
	<i>Lamelligomphus</i>	2	1
	<i>Lanthus</i>	2	1
	<i>Leptogomphus</i>	4	1
	<i>Lindenia</i>	1	0
	<i>Macrogomphus</i>	1	0
	<i>Megalogomphus</i>	2	0
	<i>Melanocacus</i>	1	1
	<i>Melligomphus</i>	3	3
	<i>Merogomphus</i>	2	1
	<i>Neogomphus</i>	2	0
	<i>Nihonogomphus</i>	1	1
	<i>Octogomphus</i>	1	0
	<i>Onychogomphus</i>	2	0
	<i>Ophiogomphus</i>	15	7
	<i>Paragomphus</i>	4	3
	<i>Phanogomphus</i>	15	7
	<i>Phyllocycla</i>	6	3
	<i>Phyllogomphoides</i>	8	4
<i>Phyllogomphus</i>	1	0	

	<i>Progomphus</i>	15	4
	<i>Sieboldius</i>	2	1
	<i>Sinictinogomphus</i>	1	0
	<i>Sinogomphus</i>	1	1
	<i>Stenogomphurus</i>	1	0
	<i>Stylogomphus</i>	1	0
	<i>Stylurus</i>	15	7
	<i>Trigomphus</i>	5	3
	<i>Zonophora</i>	3	1
Libellulidae	<i>Acisoma</i>	2	0
	<i>Aethriamanta</i>	1	0
	<i>Agrionoptera</i>	2	1
	<i>Amphithemis</i>	1	0
	<i>Anatya</i>	1	0
	<i>Brachydiplax</i>	3	0
	<i>Brachymesia</i>	3	0
	<i>Brachythemis</i>	4	0
	<i>Bradinyoga</i>	1	0
	<i>Brechmorhoga</i>	2	0
	<i>Camacinia</i>	2	0
	<i>Cannaphila</i>	2	0
	<i>Celithemis</i>	8	1
	<i>Chalcostephia</i>	1	0
	<i>Cratilla</i>	2	0
	<i>Crocothemis</i>	2	0
	<i>Dasythemis</i>	3	0
	<i>Deiella</i>	1	0
	<i>Diastatops</i>	3	0
	<i>Diplacina</i>	4	1
	<i>Diplacodes</i>	5	0
	<i>Dythemis</i>	3	0
	<i>Edonis</i>	1	1
	<i>Elasmothemis</i>	2	0
	<i>Elga</i>	1	0
	<i>Erythemis</i>	9	0
	<i>Eythrodiplax</i>	25	6
	<i>Fylgia</i>	1	0
	<i>Gynothemis</i>	2	0
	<i>Hadrothemis</i>	1	0
	<i>Hemistigma</i>	2	0
	<i>Hydrobasileus</i>	1	0
	<i>Idiataphe</i>	3	0
	<i>Ladona</i>	3	0
	<i>Lathrecista</i>	1	0
	<i>Leucorrhinia</i>	10	0
	<i>Libellula</i>	23	1
	<i>Lyriothemis</i>	3	1
	<i>Macrodiplax</i>	2	0

	<i>Macrothemis</i>	10	0
	<i>Miathyria</i>	1	0
	<i>Micrathyria</i>	9	1
	<i>Misagria</i>	1	0
	<i>Nannophya</i>	2	0
	<i>Nannothemis</i>	1	0
	<i>Neodythemis</i>	1	0
	<i>Nephepeltia</i>	1	0
	<i>Nesogonia</i>	1	0
	<i>Neurothemis</i>	9	0
	<i>Oligoclada</i>	3	0
	<i>Onychothemis</i>	1	0
	<i>Orchithemis</i>	1	0
	<i>Orthemis</i>	3	0
	<i>Orthetrum</i>	22	1
	<i>Pachydiplax</i>	1	0
	<i>Palpopleura</i>	3	0
	<i>Paltothemis</i>	1	0
	<i>Pantala</i>	2	0
	<i>Perithemis</i>	7	0
	<i>Planiplax</i>	2	0
	<i>Plathemis</i>	2	0
	<i>Potamarcha</i>	2	0
	<i>Protorthemis</i>	1	0
	<i>Psuedoleon</i>	1	0
	<i>Pseudothemis</i>	1	0
	<i>Raphismia</i>	1	0
	<i>Rhodopygia</i>	2	0
	<i>Rhodothemis</i>	1	0
	<i>Rhyothemis</i>	7	0
	<i>Scapanea</i>	1	0
	<i>Sympetrum</i>	29	3
	<i>Tauriphila</i>	3	0
	<i>Tetrathemis</i>	2	0
	<i>Thermorthemis</i>	1	0
	<i>Tholymis</i>	2	0
	<i>Tramea</i>	10	0
	<i>Trithemis</i>	8	0
	<i>Tyriobapta</i>	1	0
	<i>Uracis</i>	5	0
	<i>Urothemis</i>	3	0
	<i>Zenithoptera</i>	1	0
	<i>Zygonyx</i>	3	0
	<i>Zyxomma</i>	2	0
Macromiidae	<i>Epophthalmia</i>	1	0
	<i>Didymops</i>	2	0
	<i>Macromia</i>	12	3
Petaluridae	<i>Phenes</i>	1	0

	<i>Tachopterex</i>	1	0
	<i>Tanypterex</i>	1	0
	<i>Uropetala</i>	2	0
Synthemistidae	<i>Eusynthemis</i>	2	0
	<i>Gomphomacromia</i>	3	1
	<i>Idionyx</i>	2	1
	<i>Macromidia</i>	1	1
	<i>Oxygastra</i>	1	0
	<i>Parasynthemis</i>	1	0
	<i>Synthemis</i>	1	0
	<b>Epiophlebiptera</b>		
Epiophlebiidae	<i>Epiophlebia</i>	1	0
<b>Zygoptera</b>			
Argiolestidae	<i>Austroargiolestes</i>	1	0
	<i>Metagrion</i>	1	0
Calopterygidae	<i>Archineura</i>	1	0
	<i>Atrocalopteryx</i>	2	1
	<i>Caliphaea</i>	2	0
	<i>Calopteryx</i>	10	0
	<i>Hetaerina</i>	19	1
	<i>Iridictyon</i>	1	1
	<i>Matrona</i>	2	0
	<i>Mnais</i>	4	1
	<i>Mnesarete</i>	1	0
	<i>Neurobasis</i>	3	0
	<i>Phaon</i>	1	0
	<i>Psolodesmus</i>	1	1
	<i>Umma</i>	1	0
	<i>Vestalaria</i>	1	0
	<i>Vestalis</i>	4	0
	Chlorocyphidae	<i>Aristocypha</i>	3
<i>Chlorocypha</i>		1	0
<i>Cyrano</i>		1	0
<i>Libellago</i>		3	0
<i>Heliocypha</i>		3	0
<i>Platycypha</i>		1	0
<i>Rhinocypha</i>		4	1
Coenagrionidae	<i>Acanthagrion</i>	2	0
	<i>Aciagrion</i>	2	0
	<i>Aeolagrion</i>	1	0
	<i>Agriocnemis</i>	4	0
	<i>Amphiagrion</i>	2	0
	<i>Amphiallagma</i>	1	0
	<i>Anisagrion</i>	1	0
	<i>Anomisma</i>	1	0
	<i>Antiagrion</i>	1	0
	<i>Argia</i>	31	1
	<i>Argiocnemis</i>	1	0

	<i>Austroagrion</i>	1	0
	<i>Austrocoenagrion</i>	1	1
	<i>Ceriagrion</i>	8	1
	<i>Chromagrion</i>	1	0
	<i>Coenagrion</i>	9	0
	<i>Cyanallagma</i>	1	0
	<i>Enallagma</i>	35	4
	<i>Erythromma</i>	2	0
	<i>Hesperagrion</i>	1	0
	<i>Hivaagrion</i>	2	2
	<i>Homeoura</i>	1	0
	<i>Huosoma</i>	1	0
	<i>Ischnura</i>	21	1
	<i>Leptobasis</i>	1	0
	<i>Leptocnemis</i>	1	0
	<i>Mecistogaster</i>	5	0
	<i>Megalagrion</i>	4	0
	<i>Megaloprepus</i>	1	0
	<i>Microstigma</i>	3	0
	<i>Mortonagrion</i>	1	0
	<i>Nehalennia</i>	5	1
	<i>Neoerythromma</i>	1	0
	<i>Neonerua</i>	3	0
	<i>Nesobasis</i>	1	1
	<i>Pandanobasis</i>	2	2
	<i>Paracercion</i>	5	3
	<i>Pericnemis</i>	4	3
	<i>Phoenicagrion</i>	1	0
	<i>Protoneura</i>	4	1
	<i>Psaironeura</i>	1	0
	<i>Pseudagrion</i>	8	2
	<i>Pyrrhosoma</i>	2	1
	<i>Sangabasis</i>	1	1
	<i>Teinobasis</i>	8	3
	<i>Telebasis</i>	6	0
	<i>Tepuibasis</i>	1	1
	<i>Xanthagrion</i>	1	0
	<i>Xanthocnemis</i>	1	0
Devadattidae	<i>Devadatta</i>	1	1
Dicteriadidae	<i>Heliocharis</i>	1	1
Euphaeidae	<i>Anisopleura</i>	1	0
	<i>Bayadera</i>	4	1
	<i>Epallage</i>	1	0
	<i>Euphaea</i>	10	0
Heteragrionidae	<i>Heteragrion</i>	4	0
Hemiphlebiidae	<i>Hemiphlebia</i>	1	0
Hypolestidae	<i>Hypolestes</i>	2	0
Lestidae	<i>Archilestes</i>	2	0

	<i>Austrolestes</i>	6	0
	<i>Chalcolestes</i>	1	0
	<i>Indolestes</i>	2	1
	<i>Lestes</i>	26	1
	<i>Sympecma</i>	1	0
Lestoideidae	<i>Diphlebia</i>	1	0
Mesopodagrionidae	<i>Mesopodagrion</i>	1	1
Perilestidae	<i>Perissolestes</i>	2	1
	<i>Perilestes</i>	1	1
Philogangidae	<i>Philoganga</i>	1	0
Philosinidae	<i>Philosina</i>	1	0
	<i>Rhinagrion</i>	1	0
Platycnemididae	<i>Calicnemia</i>	1	0
	<i>Coeliccia</i>	3	0
	<i>Copera</i>	1	0
	<i>Disparoneura</i>	1	0
	<i>Elattoneura</i>	2	0
	<i>Igneocnemis</i>	6	3
	<i>Nososticta</i>	2	0
	<i>Platycnemis</i>	5	0
	<i>Prodasineura</i>	2	1
	<i>Proplatycnemis</i>	1	0
	<i>Pseudocopera</i>	1	0
	<i>Risioecnemis</i>	2	1
Platystictidae	<i>Drepanosticta</i>	2	2
	<i>Palaemnema</i>	2	1
Polythoridae	<i>Chalcopteryx</i>	1	0
	<i>Euthore</i>	1	0
Pseudolestidae	<i>Pseudolestes</i>	1	0
Rimanellidae	<i>Rimanella</i>	1	0
Rhipidolestidae	<i>Rhipidolestes</i>	3	1
Synlestidae	<i>Megalestes</i>	2	2
	<i>Sinolestes</i>	1	1
	<i>Synlestes</i>	1	0
Tatocnemididae	<i>Tatocnemis</i>	1	0
Thaumatoneuridae	<i>Paraphlebia</i>	1	0
<b>36 families</b>	<b>316 genera</b>	<b>1092 species</b>	<b>157 types</b>

Table 2. Comparison of CUIC material on New York State collections of eight Odonata species in CUIC, by date. Number of CUIC specimens in each date range (percent of total known records represented by CUIC material).

Species	pre-1900				1900-1949				1950-present				All Samples			
	CUIC	GBIF	Total	%	CUIC	GBIF	Total	%	CUIC	GBIF	Total	%	CUIC	GBIF	Total	%
<i>Aeshna umbrosa</i>	2	0	2	100	46	3	49	93.9	1	314	315	0.3	49	317	366	13.4
<i>Anax junius</i>	2	0	2	100	13	4	17	76.5	3	525	528	0.6	18	529	547	3.3
<i>Ischnura posita</i>	0	0	0	0	4	4	8	50	0	691	691	0	4	695	699	0.6
<i>Ischnura verticalis</i>	24	42	66	36.4	41	60	101	40.6	2	1262	1264	0.2	67	1364	1431	4.7
<i>Sympetrum obtrusum</i>	0	4	4	0	29	10	39	74.4	1	309	310	0.3	30	323	353	8.5
<i>Sympetrum rubicudulum</i>	0	8	8	0	17	36	53	32.1	1	65	66	1.5	18	109	127	14.2
<i>Sympetrum semicinctum</i>	2	33	35	5.7	9	9	18	50	2	119	121	1.7	13	161	174	7.5
<i>Sympetrum vicinum</i>	1	3	4	25	22	1	23	95.7	7	976	983	0.7	30	980	1010	3.0