

**A CATALOG OF THE MAYFLIES  
(EPHEMEROPTERA)  
OF HONG KONG**

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This paper is a catalog of the Ephemeroptera known from the British Crown Colony of Hong Kong. It includes all known references for each species, along with an indication of the type localities and depositions of type specimens. For each reference the stage (male, female, or nymph) is indicated if relevant. Keys which include the species also are indicated. The recorded distribution for each species is listed. For each genus are given the reference to the original description, information on the type species, and any synonyms.

Abbreviations of places of type deposition are as follows: (BMNH), British Museum (Natural History), London; (Cornell), Cornell University, Ithaca, New York; (DEI), Deutsches Entomologisches Institut, Eberswalde; (Hamburg), Zoologisches Staatsinstitut und Zoologisches Museum, Hamburg; (Hsu), personal collection of Y.-C. Hsu [the late Prof. Hsu indicated (personal communication) that because of events in China over the past few decades these specimens should be considered destroyed or lost]; (Utah), University of Utah, Salt Lake City.

Although the taxonomic knowledge of the Hong Kong mayflies is still somewhat sketchy, there are substantial ecological studies ongoing at this time. Therefore, in order to facilitate future studies and comparisons of data, I have included in this catalog the "morphospecies" of Dudgeon (1982a, b, 1983, 1984a, b). The reader should be aware that many of the taxonomic assignments of these morphospecies are preliminary and actual placement will have to await future taxonomic studies.

This paper is one in a continuing series of catalogs of the Ephemeroptera (cf. Hubbard & Peters 1978, Hubbard & Pescador 1978, Hubbard & Savage 1981, Hubbard 1982a,b).

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Order Ephemeroptera

Family **Baetidae** Leach, 1815

Subfamily **Baetinae** Leach, 1815

Genus **Baetis** Leach, 1815

**Baetis** Leach, 1815:137.

Type species: **Ephemera fuscata** Linnaeus. Subsequent designation by Intern. Comm. Zool. Nomencl., 1966:209.

**Brachyphlebia** Westwood, 1840:25.

Type species: **Ephemera fuscata** Linnaeus (misidentified as **Ephemera bioculata**) [c.f. Intern. Comm. Zool. Nomencl., 1966:209]. Monotypic.

**Acentrella** Bengtsson, 1912:110.

Type species: **Acentrella laponica** Bengtsson. Monotypic.

**Heterocloeon** McDunnough, 1925:175.

Type species: **Centroptilum curiosum** McDunnough. Original designation.

**Baetis** sp. T<sub>1</sub>

**Baetis** T<sub>1</sub> Dudgeon, 1982:14.

**Baetis** T<sub>1</sub> Dudgeon, 1982:225.

**Baetis** T<sub>1</sub> Dudgeon, 1983:441.

**Baetis** T<sub>1</sub> Dudgeon, 1984:73.

**Baetis** T<sub>1</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Baetis** sp. T<sub>2</sub>

**Baetis** T<sub>2</sub> Dudgeon, 1982:14.

**Baetis** T<sub>2</sub> Dudgeon, 1982:225.

**Baetis** T<sub>2</sub> Dudgeon, 1983:441.

**Baetis** T<sub>2</sub> Dudgeon, 1984:73.

**Baetis** T<sub>2</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Baetis** sp. T<sub>3</sub>

**Baetis** T<sub>3</sub> Dudgeon, 1982:14.

**Baetis** T<sub>3</sub> Dudgeon, 1982:225.

**Baetis** T<sub>3</sub> Dudgeon, 1983:441.

**Baetis** T<sub>3</sub> Dudgeon, 1984:73.

**Baetis** T<sub>3</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Baetis** sp. T<sub>4</sub>

**Baetis** T<sub>4</sub> Dudgeon, 1982:225.

**Baetis** T<sub>4</sub> Dudgeon, 1983:441.

**Baetis** T<sub>4</sub> Dudgeon, 1984:73.

**Baetis** T<sub>4</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. T<sub>5</sub>  
**Baetis** T<sub>5</sub> Dudgeon, 1984:73.

**Baetis** T<sub>5</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. L<sub>5</sub>  
**Baetis** L<sub>5</sub> Dudgeon, 1984:73.  
**Baetis** L<sub>5</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. L<sub>6</sub>  
**Baetis** L<sub>6</sub> Dudgeon, 1984:73.  
**Baetis** L<sub>6</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. L<sub>7</sub>  
**Baetis** L<sub>7</sub> Dudgeon, 1984:73.  
**Baetis** L<sub>7</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. L<sub>8</sub>  
**Baetis** L<sub>8</sub> Dudgeon, 1984:73.  
**Baetis** L<sub>8</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Baetis** sp. cf. T<sub>3</sub>  
**Baetis** cf. T<sub>3</sub> Dudgeon, 1984:73.  
**Baetis** cf. T<sub>3</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

Subfamily **Cloeoninae** Newman, 1853

Genus **Centroptilum** Eaton, 1869  
**Centroptilum** Eaton, 1869:132.  
Type species: **Ephemera luteola** Müller.  
Original designation.

**Centroptilum** sp. L<sub>1</sub>  
**Centroptilum** L<sub>1</sub> Dudgeon, 1984:73.  
**Centroptilum** L<sub>1</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

Genus **Cloeon** Leach, 1815  
**Cloeon** Leach, 1815:137.  
Type species: **Ephemera diptera** Linnaeus as  
**Cloeon pallidus** Leach. Monotypy.  
**Cloe** Burmeister, 1839:797. [unjustified eme-  
ndation of **Cloeon** Leach].  
Type species: **Ephemera diptera** Linnaeus,  
objective synonymy.

**Cloeopsis** Eaton, 1866:146.  
Type species: **Ephemera diptera** Linnaeus.  
Monotypy.

**Austrocloeon** Barnard, 1932:217. [nomen nud-  
um].

**Neocloeon** Traver, 1932:365.  
Type species: **Neocloeon alamance** Traver.  
Original designation.

**Austrocloeon** Barnard, 1940:616.  
Type species: **Cloeon africanum** Esben-  
Petersen. Original designation.

**Cloeon harveyi** Kimmins  
**Procloeon harveyi** Kimmins, 1947:94, fig. 2,  
6, 10. (male, female). Type: female, Cal-  
cutta, Bengal (BMNH).

**Procloeon harveyi** - Gillies, 1949:176.  
**Procloeon harveyi** - Kimmins, 1971:314.  
**Procloeon harveyi** - Hubbard & Peters,  
1978:11.

**Procloeon harveyi** - Hubbard & Srivastava,  
1984:3.

**Cloeon harveyi** - Müller-Liebenau & Hubbard,  
1986:538.

Distribution: Hong Kong, Malaysia, India.

Genus **Pseudocloeon** Klapálek, 1905  
**Pseudocloeon** Klapálek, 1905:105.  
Type species: **Pseudocloeon kraepelini** Kla-  
pálek. Monotypic.

**Baetiella** Uéno, 1931:220.  
Type species: **Acentrella japonica** Imani-  
shi. Original designation.

**Pseudocloeon** sp. T<sub>1</sub>  
**Pseudocloeon** T<sub>1</sub> Dudgeon, 1982:14.  
**Pseudocloeon** T<sub>1</sub> Dudgeon, 1982:225.  
**Pseudocloeon** T<sub>1</sub> Dudgeon, 1983:441.  
**Pseudocloeon** T<sub>1</sub> Dudgeon, 1984:73.  
**Pseudocloeon** T<sub>1</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Pseudocloeon** sp. T<sub>2</sub>  
**Pseudocloeon** T<sub>2</sub> Dudgeon, 1982:14.  
**Pseudocloeon** T<sub>2</sub> Dudgeon, 1982:225.  
**Pseudocloeon** T<sub>2</sub> Dudgeon, 1983:441.  
**Pseudocloeon** T<sub>2</sub> Dudgeon, 1984:73.  
**Pseudocloeon** T<sub>2</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Pseudocloeon** sp. L<sub>3</sub>  
**Pseudocloeon** L<sub>3</sub> Dudgeon, 1984:73.  
**Pseudocloeon** L<sub>3</sub> Dudgeon, 1984:210.  
Distribution: Hong Kong.

**Pseudocloeon** sp.  
**Baetella** [sic] T<sub>1</sub> Dudgeon, 1983:441.  
Distribution: Hong Kong.

Family **Caenidae** Newman, 1853

Genus **Caenis** Stephens, 1835  
**Caenis** Stephens, 1835:60.  
Type species: **Caenis macrura** Stephens.  
Subsequent designation by Westwood,  
1840:47.

**Oxycypha** Burmeister, 1839:796.  
Type species: **Oxycypha luctuosa** Burmeis-  
ter. Subsequent designation by Jacob,

1974:96.

**Ordella** Champion, 1923:518.Type species: **Caenis macrura** Stephens.  
Original designation.**Caenis** sp. T<sub>1</sub>**Caenis** T<sub>1</sub> Dudgeon, 1982:14.**Caenis** T<sub>1</sub> Dudgeon, 1982:225.**Caenis** T<sub>1</sub> Dudgeon, 1984:73.**Caenis** T<sub>1</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Caenis** sp. T<sub>2</sub>**Caenis** T<sub>2</sub> Dudgeon, 1983:441.**Caenis** T<sub>2</sub> Dudgeon, 1984:73.**Caenis** T<sub>2</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Caenis** sp. L<sub>2</sub>**Caenis** L<sub>2</sub> Dudgeon, 1984:73.**Caenis** L<sub>2</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Caenis** sp. L<sub>3</sub>**Caenis** L<sub>3</sub> Dudgeon, 1984:73.**Caenis** L<sub>3</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

Family **Ephemeridae** Latreille, 1810Genus **Ephemera** Linnaeus, 1758**Ephemera** Linnaeus, 1758:546.Type species: **Ephemera vulgata** Linnaeus.  
Subsequent designation by Westwood,  
1836:439.**Nirvius** Navás, 1922:56.Type species: **Nirvius punctatus** Navás.  
Original designation.Subgenus **Ephemera** Linnaeus, 1758**Ephemera (Ephemera) pulcherrima** Eaton**Ephemera pulcherrima** Eaton, 1892:185. (fe-  
male). Type: female, Tenasserim Valley,  
Burma (BMNH).**Ephemera pulcherrima** - Ulmer, 1926:86, fig.  
80-81. (male, key).**Ephemera pulcherrima** - Lestage, 1927:99.  
(key).**Ephemera pulcherrima** - Wu, 1935:248.**Ephemera pulcherrima** - Hsu, 1936:233, fig.  
1. (female).**Ephemera pulcherrima** - Ulmer, 1936:204.**Ephemera pulcherrima** - Hafiz, 1937:368.**Ephemera pulcherrima** - Hsu, 1937:433, fig.  
25-26. (male, female, key).**Ephemera pulcherrima** - Kimmins, 1960:308.**Ephemera pulcherrima** - Kimmins, 1971:319.**Ephemera pulcherrima** - Hubbard & Peters,  
1978:17.Distribution: Hong Kong, China, Burma, In-  
dia.**Ephemera (Ephemera) serica** Eaton**Ephemera serica** Eaton, 1871:75, pl. 4 fig.  
12-12a. (male, female). Type: N. China  
(BMNH).**Ephemera serica** - McLachlan, 1875:169.**Ephemera serica** - Eaton, 1883:73. (male,  
female).**Ephemera serica** - Ulmer, 1926:89, fig. 82-  
83. (male, female, key).**Ephemera serica** - Lestage, 1927:99. (key).**Ephemera serica** - Navás, 1930:15.**Ephemera serica** - Navás, 1930:138.**Ephemera serica** - Wu, 1935:248.**Ephemera serica** - Ulmer, 1936:206.**Ephemera serica** - Hsu, 1937:438. (male,  
female, key).**Ephemera serica** - Kimmins, 1960:309, fig.  
53. (male). [designation of lectotype].**Ephemera serica** - Kimmins, 1971:320.

Distribution: Hong Kong, China, Vietnam.

**Ephemera** (subgenus incertus)**Ephemera** sp. T<sub>1</sub>**Ephemera** T<sub>1</sub> Dudgeon, 1982:225.

Distribution: Hong Kong.

**Ephemera** sp. T<sub>2</sub>**Ephemera** T<sub>2</sub> Dudgeon, 1983:441.

Distribution: Hong Kong.

**Ephemera** sp.**Ephemera** sp. Dudgeon, 1984:73.**Ephemera** sp. Dudgeon, 1984:210.

Distribution: Hong Kong.

Family **Ephemerellidae** Klapálek, 1909Subfamily **Ephemerellinae** Klapálek, 1909Genus **Ephemerella** Walsh, 1863**Ephemerella** Walsh, 1863:377.Type species: **Ephemerella excrucians**  
Walsh. Subsequent designation by Eaton,  
1868:87.**Ephemerella** sp. T<sub>1</sub>**Ephemerella** T<sub>1</sub> Dudgeon, 1982:14.**Ephemerella** T<sub>1</sub> Dudgeon, 1982:225.**Ephemerella** T<sub>1</sub> Dudgeon, 1983:441.**Ephemerella** T<sub>1</sub> Dudgeon, 1984:73.**Ephemerella** T<sub>1</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Ephemerella** sp. T<sub>2</sub>**Ephemerella** T<sub>2</sub> Dudgeon, 1982:14.**Ephemerella** T<sub>2</sub> Dudgeon, 1982:225.**Ephemerella** T<sub>2</sub> Dudgeon, 1984:73.**Ephemerella** T<sub>2</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

**Ephemerella** sp. L3**Ephemerella** L3 Dudgeon, 1984:73.**Ephemerella** L3 Dudgeon, 1984:210.

Distribution: Hong Kong.

Family **Heptageniidae** Needham  
in Needham & Betten, 1901Subfamily **Heptageniidae** Needham  
in Needham & Betten, 1901Genus **Componeuria** Eaton, 1881**Componeuria** Eaton, 1881:23.Type species: **Componeuria spectabilis**  
Eaton. Original designation.**Cosmetogenia** Eaton, 1883:18, pl. 23.Type species: **Componeuria spectabilis**  
Eaton. Monotypy.**Componeuria** sp. T1**Ecdyonurus** T1 Dudgeon, 1982:14.**Ecdyonurus** T1 Dudgeon, 1982:225.**Ecdyonurus** T1 Dudgeon, 1983:441.**Ecdyonurus** T1 Dudgeon, 1984:73.**Componeuria** T1 Dudgeon, 1984:210.

Distribution: Hong Kong.

**Componeuria** sp. T2**Ecdyonurus** T2 Dudgeon, 1982:225.**Ecdyonurus** T2 Dudgeon, 1984:73.**Componeuria** T2 Dudgeon, 1984:210.

Distribution: Hong Kong.

Genus **Ecdyonurus** Eaton, 1868**Ecdyonurus** Eaton, 1868:142.Type species: **Ephemera venosa** Fabricius.  
Original designation.**Ecdyurus** Eaton, 1868:90.Type species: **Ephemera venosa** Fabricius.  
Objective synonymy. [unjustified emendation  
of **Ecdyonurus**].**Paracinygmula** Bajkova, 1975:54.Type species: **Paracinygmula zhilzovae** Baj-  
kova. Original designation.**Ecdyonurus herklotsi** Hsu, 1936**Ecdyonurus herklotsi** Hsu:233, fig. 2-4.(male). Type: male, Pokfulum [Pokfulam],  
Hong Kong (Hsu).

Distribution: Hong Kong.

Genus **Epeorus** Eaton, 1881**Epeorus** Eaton, 1881:26.Type species: **Epeorus torrentium** Eaton.  
Original designation.Subgenus **Iron** Eaton, 1883**Iron** Eaton, 1883: pl. 24.Type species: **Epeorus longimanus** Eaton.  
Monotypy.**Epeorus** (Iron) sp.**Iron** sp. Dudgeon, 1984:73.**Iron** sp. Dudgeon, 1984:210.

Distribution: Hong Kong.

**Epeorus** (subgenus incertus)**Epeorus** sp. T1**Epeorus** T1 Dudgeon, 1982:14**Epeorus** T1 Dudgeon, 1982:225.**Epeorus** T1 Dudgeon, 1983:441.**Epeorus** T1 Dudgeon, 1984:73.**Epeorus** T1 Dudgeon, 1984:210.

Distribution: Hong Kong.

**Epeorus** sp. T2**Epeorus** T2 Dudgeon, 1984:73.**Epeorus** T2 Dudgeon, 1984:210.

Distribution: Hong Kong.

Genus **Heptagenia** Walsh, 1863**Heptagenia** Walsh, 1863:197.Type species: **Palingenia flavescens** Walsh.  
Subsequent designation by Eaton, 1868,  
Entomol. Mon. Mag. 5:90.**Kageronia** Matsumura, 1931:1479.Type species: **Kageronia suzukiella** Matsu-  
mura. Monotypic.**Heptagenia** *ngi* Hsu, 1936**Heptagenia** *ngi* Hsu, 1936:235, fig. 5-7.(male). Type: male, Shaukiwan, Hong Kong  
(Hsu).

Distribution: Hong Kong.

Genus **Paegniodes** Eaton, 1881**Paegniodes** Eaton, 1881:23.Type species: **Heptagenia cupulata** Eaton.  
Original designation.**Paegniodes cupulatus** (Eaton, 1871)**Heptagenia cupulata** Eaton, 1871:138, pl. 6fig. 14-14a. (male, female). Type: Nor-  
thern China (BMNH).**Paegniodes cupulatus** - Eaton, 1881:23.**Heptagenia cupulata** - Palmén, 1884:74.**Paegniodes cupulatus** - Eaton, 1885:261, pl.  
23 fig. 4, pl. 24 fig. 4. (male, female).**Paegniodes cupulatus** - Ulmer, 1926:107,  
figs. 98-102. (male, female).**Paegniodes cupulatus** - Hsu, 1932:39.**Paegniodes fukienensis** - Hsu, 1932:39, fig.  
1-3. (male). Type: male, Ling Sioh, Fukien  
Prov. China (Cornell).**Paegniodes cupulatus** - Wu, 1935:252.**Paegniodes fukienensis** - Wu, 1935:252.**Paegniodes cupulata** - Hsu, 1936:236, fig. 8-  
13. (male, female).**Paegniodes cupulatus** - Ulmer, 1936:211.  
(male).

**Paegniodes cupulatus** - Kimmins, 1960:283.  
[designation of lectotype].

**Paegniodes cupulatus** - Uéno, 1969:228, fig. 26-36. (male).

**Heptagenia cupulata** - Kimmins, 1971:312.

**Paegniodes cupulatus** - Tshernova, 1976:343, fig. 41. (nymph).

**Paegniodes fukiensis** [sic] - Tshernova, 1976:343.

Distribution: Hong Kong, China, Tibet.

Genus **Thalerosphyrus** Eaton, 1881

**Thalerosphyrus** Eaton, 1881:22.

Type species: **Baetis determinatus** Walker.  
Original designation.

**Thalerosphyrus** sp. T<sub>1</sub>

**Thalerosphyrus** T<sub>1</sub> Dudgeon, 1982:14.

**Thalerosphyrus** T<sub>1</sub> Dudgeon, 1983:441.

**Thalerosphyrus** T<sub>1</sub> Dudgeon, 1984:73.

**Thalerosphyrus** T<sub>1</sub> Dudgeon, 1984:210.

Distribution: Hong Kong.

Family **Leptophlebiidae** Banks, 1900

Subfamily **Atalophlebiinae** Peters, 1980

Genus **Choroterpes** Eaton, 1881

**Choroterpes** Eaton, 1881:194.

Type species: **Choroterpes lusitanica** Eaton. Original designation.

Subgenus **Euthraululus** Barnard, 1932

**Euthraululus** Barnard, 1932:249.

Type species: **Euthraululus elegans** Barnard.  
Monotypy.

**Thraululus** Ulmer, 1939:499.

Type species: **Thraululus marginatus** Ulmer.  
Original designation.

**Choroterpes** (**Euthraululus**) sp.

**Choroterpes** (**Euthraululus**) sp. Dudgeon, 1984:73.

**Choroterpes** (**Euthraululus**) sp. Dudgeon, 1984:210.

Distribution: Hong Kong.

**Choroterpes** (subgenus incertus)

**Choroterpes** sp. T<sub>1</sub>

**Choroterpes** T<sub>1</sub> Dudgeon, 1982:14.

**Choroterpes** T<sub>1</sub> Dudgeon, 1983:441.

Distribution: Hong Kong.

Genus **Cryptopenella** Gillies, 1951

**Cryptopenella** Gillies, 1951:125.

Type species: **Cryptopenella facialis** Gillies. Original designation.

**Cryptopenella facialis** Gillies, 1951

**Cryptopenella facialis** Gillies, 1951:127, fig. 11-12, 14. (male, female, nymph).

Type: River Shing Man [Shing Mun River], near Kowloon, Hong Kong (BMNH).

**Cryptopenella facialis** - Peters & Edmunds, 1970:202, fig. 46-47, 93-94, 122, 145, 336-345. (male, female, nymph).

**Cryptopenella facialis** - Kimmins, 1971:313.

Distribution: Hong Kong.

Genus **Habrophlebiodes** Ulmer, 1920

**Habrophlebiodes** Ulmer, 1920:39.

Type species: **Habrophlebia americana** Banks. Original designation.

**Habrophlebiodes gilliesi** Peters, 1963

**Habrophlebiodes gilliesi** Peters, 1963:41, fig. 1-11. (male, female). Type: male, Fan Ling near Kowloon, Hong Kong (Utah).

**Habrophlebiodes gilliesi** - Peters & Edmunds, 1970:187, fig. 19-21, 77, 112, 135, 323. (male, female).

**Habrophlebiodes gilliesi** - Tsui & Peters, 1970:89, fig. 1-13. (nymph).

**Habrophlebiodes gilliesi** - Dudgeon, 1982:225.

Distribution: Hong Kong.

Genus **Isca** Gillies, 1951

**Isca** Gillies, 1951:127.

Type species: **Isca purpurea** Gillies. Original designation.

Subgenus **Isca** Gillies, 1951

**Isca** (**Isca**) **purpurea** Gillies, 1951

**Isca purpurea** Gillies, 1951:128, fig. 15-22. (male, female). Types: male, female, Hong Kong, 15-20 mi inland from Kowloon (BMNH).

**Isca** (**Isca**) **purpurea** - Peters & Edmunds, 1970:215, fig. 71, 106, 330, 350-357. (male, nymph).

**Isca purpurea** - Kimmins, 1971:319.

**Isca** (**Isca**) **purpurea** - Hubbard & Peters, 1978:24.

Distribution: Hong Kong, India.

**Isca** (subgenus incertus)

**Isca** sp. T<sub>1</sub>

**Isca** T<sub>1</sub> Dudgeon, 1982:225.

**Isca** T<sub>1</sub> Dudgeon, 1983:441.

Distribution: Hong Kong.

**Isca** sp.

**Isca** sp. Dudgeon, 1984:73.

**Isca** sp. Dudgeon, 1984:210.

Distribution: Hong Kong.

Genus **Thraululus** Eaton, 1881

**Thraululus** Eaton, 1881:195.

Type species: **Thraululus bellus** Eaton. Original designation.

**Masharikella** Peters, Gillies & Edmunds, 1964:118.

Type species: **Hagenulus fasciatus** Kimmins. Original designation.

**Thraulius** sp. T<sub>1</sub>

**Thraulius** T<sub>1</sub> Dudgeon, 1982:225.

**Thraulius** T<sub>1</sub> Dudgeon, 1983:441.

Distribution: Hong Kong.

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