

Trichoptera (Caddisflies)

Family and Species Listings

The Trichoptera, or caddisflies, or case moths, are advanced insects that have distinctly different larval and adult forms. The adults resemble moths but have hairs covering their wings and bodies compared with the more robust scales found on the wings and body of the true moths (Order Lepidoptera). Fossil caddisflies have been found in Australia in the Upper Permian and Triassic rock strata (Williams and Feltmate 1992). The aquatic larvae spin silk, and many of the species create cases in which they live in the streams, hence their common name of case moths. The mature larvae must go through a metamorphosis via a pupal stage, before they emerge as an adult insect.



Of the over 40 families in the world some 27 families occur in Australia. These profiles include species from the Dipseudopsidae, Ecnomidae, Hydropsychidae, Philopotamidae, Polycentropodidae, Tasimiidae and Stenopsychidae.

References

Williams DD, Feltmate BW (1992) 'Aquatic Insects.' (CAB International: Wallington)

Family Dipseudopsidae

- ▶ *Hyalopsyche disjuncta*

Family Ecnomidae

- ▶ *Daternomina* sp AV11
- ▶ *Daternonima irrorata*
- ▶ *Ecnomina* sp AV2
- ▶ *Ecnomina* sp AV3
- ▶ *Ecnomina* sp AV4
- ▶ *Ecnomina* sp AV5
- ▶ *Ecnomina* sp AV8
- ▶ *Ecnomina* sp AV10
- ▶ *Ecnomina* sp AV14
- ▶ *Ecnomina* sp AV15
- ▶ *Ecnomina* sp AV21
- ▶ *Ecnomina* sp AV22
- ▶ *Ecnomina* sp AV23
- ▶ *Ecnomina* sp AV26
- ▶ *Ecnomina* sp 29
- ▶ *Ecnomina* sp 30
- ▶ *Ecnomina* sp 31
- ▶ *Ecnomina* sp 32

- ▶ *Ecnomina batyle*
- ▶ *Ecnomina* D sp AV1
- ▶ *Ecnomina* D sp AV2
- ▶ *Ecnomina* D sp AV3
- ▶ *Ecnomus* sp AV16
- ▶ *Ecnomus* sp AV20
- ▶ *Ecnomus* sp AV27
- ▶ *Ecnomus* sp AV28
- ▶ *Ecnomus* sp AV29
- ▶ *Ecnomus continentalis*
- ▶ *Ecnomus cygnitus*
- ▶ *Ecnomus deani*
- ▶ *Ecnomus digrutus*
- ▶ *Ecnomus nibbor*
- ▶ *Ecnomus pansus*
- ▶ *Ecnomus pilbarensis*
- ▶ *Ecnomus russelius*
- ▶ *Ecnomus tillyardi*
- ▶ *Ecnomus tridigitus*
- ▶ *Ecnomus turgidus*
- ▶ *Ecnomus veratus*
- ▶ *Ecnomus volsellus*

continued



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Family and Species Listings (continued)

Family Hydropsychidae

- ▶ *Cheumatopsyche* sp AV1
- ▶ *Cheumatopsyche* sp AV2
- ▶ *Cheumatopsyche* sp AV3
- ▶ *Cheumatopsyche* sp AV4
- ▶ *Cheumatopsyche* sp AV5
- ▶ *Cheumatopsyche* sp AV6
- ▶ *Cheumatopsyche* sp AV7
- ▶ *Cheumatopsyche* sp AV8
- ▶ *Cheumatopsyche* sp AV15
- ▶ *Cheumatopsyche* *dostinei*
- ▶ *Cheumatopsyche* *wellsae*
- ▶ *Diplectrona* sp AV2
- ▶ *Diplectrona* sp AV6
- ▶ *Smicrophylax* *australis*
- ▶ *Smicrophylax* sp AV3

Family Philopotamidae

- ▶ *Chimarra* *australis*
- ▶ *Chimarra* sp AV4
- ▶ *Chimarra* sp AV5
- ▶ *Chimarra* sp AV6
- ▶ *Chimarra* sp AV7
- ▶ *Chimarra* sp AV17
- ▶ *Chimarra* sp AV18
- ▶ *Chimarra* sp AV19
- ▶ *Chimarra* *monticola*
- ▶ *Chimarra* *tallawalla*
- ▶ *Chimarra* *uranka*
- ▶ *Hydrobiosella* AV1
- ▶ *Hydrobiosella* AV2
- ▶ *Hydrobiosella* AV4
- ▶ *Hydrobiosella* AV5
- ▶ *Hydrobiosella* AV7
- ▶ *Hydrobiosella* AV8
- ▶ *Hydrobiosella* AV10
- ▶ *Hydrobiosella* AV13
- ▶ *Hydrobiosella* AV16
- ▶ *Hydrobiosella* AV17
- ▶ *Hydrobiosella* AV19
- ▶ *Hydrobiosella* AV20
- ▶ *Hydrobiosella* AV22
- ▶ *Hydrobiosella* AV23
- ▶ *Hydrobiosella* AV25
- ▶ *Hydrobiosella* *michaelseni*
- ▶ *Hydrobiosella* *waddama*

Family Polycentropodidae

- ▶ *Genus I* spAV1
- ▶ *Genus I* spAV2
- ▶ *Genus I* spAV3
- ▶ *Genus I* spAV6
- ▶ *Neureclipsis* *napaea*
- ▶ *Paranyctiophylax* sp AV3
- ▶ *Paranyctiophylax* sp AV4
- ▶ *Paranyctiophylax* sp AV5
- ▶ *Paranyctiophylax* sp AV6
- ▶ *Plectrocnemia* sp AV1
- ▶ *Plectrocnemia* *eximia*

Family Tasimiidae

- ▶ *Tasimia* sp AV1

Family Stenopsychidae

- ▶ *Stenopsychodes* sp AV1