Mayfly Nymphs from Northwestern Florida

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Since publication of The Mayflies of Florida (Berner, 1950), 13 species of Ephemeroptera have been added to the fauna of the northwestern part of the state. This paper gives the occurrence of species now known from each of the nine major rivers from the Perdido on the western border of the state, eastward to the Escambia, Blackwater, Yellow, Shool, Choctawhatchee, Holmes, Chipola, and Apalachicola, respectively. The records of Berner (1950, 1955, 1956) are included, as well as new distributional data obtained by the writer during investigation of water pollution for the Florida State Board of Health from 1960-1963, and differentially in the list by asterisks. The habitat in which the nymphs were collected is also given.

Family Ephemeridae

Hexagenia bilineata (Say). Apalachicola River. Leaf detritus and silt bottom.

Hexagenia munda elegans Traver. Apalachicola River. Leaf detritus and silt bottom.

Hexagenia munda marilandica Traver. All nine rivers. Leaf detritus and silt bottom.


Family Neoplectanidae


Family Caenidae

Brachycentrus sp. A. Shool, Choctawhatchee, Apalachicola. Leaf detritus, silt bottom, sand bottom. Recorded as Brachycentrus sp. A by Berner (1950).


**Family Baetiscidae**

*Baetis* *escambienais* Berner. Escambia. Silt bottom, sand bottom.
*Baetis* *becki* Schneider and Berner. *Perdido, *Blackwater, *Shoal. Gravel or rock, sand bottom.
*Baetis* *gibbros* Berner. Escambia, *Shoal, *Choctawhatchee, Apalachicola. Log or board, sand bottom.
*Baetis* *obeus* (Say). *Blackwater, *Yellow, *Choctawhatchee, *Chipola, Apalachicola. Leaf detritus, vegetation, log or board, silt bottom.
*Baetis* *rogeri* Berner. Perdido, Escambia, Blackwater, Yellow, Shoal, Choctawhatchee, Apalachicola. Gravel or rock, log or board, silt bottom, sand bottom.

**Family Leptophlebiidae**

*Choroperes* *hubbelli* Berner. Choctawhatchee. Silt bottom, sand bottom.
*Leptophlebia* *intermedia* (Traver). Perdido, Escambia, Shoal, Choctawhatchee, Chipola, Apalachicola. Leaf detritus.
*Paralectophlebiodes* *coltans* McDunnough. Perdido, Escambia, Blackwater, Shoal, Choctawhatchee, Holmes, Apalachicola. Leaf detritus, gravel or rock, vegetation, log or board.

**Family Ephemerellidae**

*Ephemera* *hirsuta* Berner. Perdido, *Eucambria, Apalachicola.
Leaf detritus, vegetation.


Ephemera deficiens Berner. Escambia, Blackwater, Yellow, Shool, Chipola, Apalachicola. Leaf detritus, vegetation.

Ephemera trilineata Berner. All nine rivers. Leaf detritus, vegetation, log or board.


**Family Thecothyridae**

Tricothryodes albilineatus Berner. Perdido, Escambia, Blackwater, Yellow, Choctawhatchee, Chipola, Apalachicola. Clay bottom, vegetation, log or board, silt bottom, sand bottom.

**Family Siphlonuridae**

Isomychis fattigi Traver. Apalachicola. Leaf detritus.

Isomychis pictipes Traver. *Perdido, Holmes, Chipola, Apalachicola. Gravel or rock, log or board, sand bottom.

Isomychis sp. A. Perdido, Escambia, Blackwater, Shool. Leaf detritus, log or board, sand bottom.

Isomychis sp. B. *Sheal, Holmes. Vegetation, log or board.

Isomychis sp. G. *Chipola, Apalachicola. Leaf detritus, log or board, sand bottom.

**Family Heptageniidae**

Heptagenia flavescens (Walsh.). *Perdido, *Sheal, Apalachicola. Leaf detritus, gravel or rock, vegetation.

Stenoneura signum Traver. All nine rivers. Gravel or rock, vegetation, log or board.

Stenoneura interpractatum (Say). Apalachicola. Vegetation.

Stenoneura proptitimum Traver. All nine rivers. Gravel or rock, vegetation, log or board.

Stenoneura smithae Traver. All nine rivers. Leaf detritus, gravel or rock, vegetation, log or board.

**Family Ameletoplectidiae**

Family Baetidae

*Baetis australis* Traver. Perdido, Chipola, Apalachicola. Leaf detritus, vegetation, log or board, silt bottom, sand bottom.


*Baetis proprinus* (Walsh). Apalachicola. Gravel or rock, vegetation.

*Baetis spiethi* Berner. Perdido, Choctawhatchee, Holmes, Chipola, Apalachicola. Vegetation, log or board.

*Baetis spinosus* McDunnough. All nine rivers. Leaf detritus, vegetation, log or board, silt bottom, sand bottom.


*Cloeon rubripictum* McDunnough. Apalachicola. Vegetation, log or board.

*Cloeon sp.* A. Holmes, Apalachicola. Vegetation, log or board.


*Pseudocloeon bimaculatum* Berner. Perdido, Escambia, Blackwater, Yellow. Shoal, Choctawhatchee, Chipola. Leaf detritus, gravel or rock, vegetation, sand bottom.


Family Berinchoidea

*Dolania americana* Edmonds and Traver. *Sweetwater Creek* (a tributary of Blackwater River). Sand bottom. The only previous record of this family in the New World was the original
description of D. americana, based on five nymphs from the Savannah River system in South Carolina (Edmunds and Traver, 1999).

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LITERATURE CITED


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