

## Family EOPTYCHOPTERIDAE

The family Eoptychopteridae was proposed by Handlirsch (1906) for the Jurassic genus *Eoptychoptera* Handlirsch. Subsequently, more genera were added to the family, all from the Jurassic except for the Oligocene genus *Eoptychoptera* Handlirsch. Kalugina (1989) reviewed the genera of the family. Krivosheina & Zaitzev (1989) placed the family as the sister-group to the Ptychopteridae in their cladogram. Lukashevitch (1994) was the most recent worker to review the genera of the family and described 12 new species.

In addition to the described forms listed below, an undetermined specimen resembling *Proptychoptera* Handlirsch and *Crenptychoptera* Kalugina was recorded from the Upper Triassic Dan River Formation of North America by Krzeminski (1992c).

The genus *Chorolimnobia* Lin, 1986, was originally placed in this family. However, its correct identity as a member of this family, or even as a dipteran, is in doubt (W. Krzeminski, pers. commun.). It is treated in this catalog under "Unplaced to Family" pending further study of the type material.

*Ref.:* Kalugina (1989, review of taxa); Lukashevitch (1994, review of and keys to genera).

### Genus BOLBOIA Kalugina

**BOLBOIA** Kalugina, 1989: 73 (1990: 70). Type species: *Bolboia mira* Kalugina, 1989, by original designation.

**mira** Kalugina, 1989: 75: (1990: 71). PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

### Genus CRENOPTYCHOPTERA Kalugina

**CRENOPTYCHOPTERA** Kalugina in Kalugina & Kovalev, 1985: 41. Type species: *Crenptychoptera antica* Kalugina, 1985, by original designation.

**antica** Kalugina in Kalugina & Kovalev, 1985: 42. PA: Russia (Siberia) (Middle Jurassic) [C].

**defossa** Kalugina in Kalugina & Kovalev, 1985: 42. PA: Russia (Siberia) (Middle Jurassic) [C].

**gronskayae** Kalugina, 1989: 71 (1990: 68). PA: Russia (Siberia) (Lower Cretaceous) [C].

**Genus EOLIMNOBIA Handlirsch**

**EOLIMNOBIA** Handlirsch, 1906a: 489. Type species: *Eolimnobia geinitzi* Handlirsch, 1906, by monotypy.

**geinitzi** Handlirsch, 1906a: 489. PA: Germany (Lower Jurassic) [C].

**Genus EOPTYCHOPTERA Handlirsch**

**EOPTYCHOPTERA** Handlirsch, 1906a: 489. Type species: *Eoptychoptera simplex* Handlirsch, 1906, by monotypy.

**simplex** Handlirsch, 1906a: 489. PA: Germany (Lower Jurassic) [C].

**Genus EOPTYCHOPTERINA Kalugina**

**EOPTYCHOPTERINA** Kalugina in Kalugina & Kovalev, 1985: 37. Type species: *Eoptychopterina rohdendorphi* Kalugina, 1985, by original designation.

**abbreviata** Lukashevitch, 1994: 107. PA: Kazakhstan (Upper Jurassic) [C].

**angularis** Lukashevitch, 1994: 107. PA: Kazakhstan (Upper Jurassic) [C].

**baisica** Kalugina, 1989: 68 (1990: 67). PA: Russia (Siberia) (Lower Cretaceous) [C].

**daiensis** Kalugina, 1989: 68 (1990: 64). PA: Russia (Siberia) Upper Jurassic/Lower Cretaceous) [C].

**glaber** Lukashevitch, 1994: 110. PA: Russia (Siberia) (Middle Jurassic) [C].

**karatavica** Lukashevitch, 1994: 106. PA: Kazakhstan (Upper Jurassic) [C].

**rohdendorphi** Kalugina in Kalugina & Kovalev, 1985: 39. PA: Russia (Siberia) (Lower/Middle Jurassic) [C].

**transbaicalica** Kalugina in Kalugina & Kovalev, 1985: 39. PA: Russia (Siberia) (Upper Jurassic) [C].

**undensis** Kalugina, 1989: 66 (1990: 63). PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

**Genus ETOPTYCHOPTERA Handlirsch**

**ETOPTYCHOPTERA** Handlirsch, 1909: fig. 5. Type species: *Eoptychoptera tertaria* Handlirsch, 1909, by monotypy.

**tertaria** Handlirsch, 1909: fig. 5 [1910: 122]. NE: Canada (Oligocene) [C].

### Genus PALAEOLIMNOBIA Bode

**PALAEOLIMNOBIA** Bode, 1953: 301. Type species: *Palaeolimnobia maculosa* Bode, 1953, by original designation.

**maculosa** Bode, 1953: 302. PA: Germany (Lower Jurassic) [C].

### Genus PROPTYCHOPTERA Handlirsch

**PROPTYCHOPTERA** Handlirsch, 1906a: 489. Type species: *Proptychoptera liasina* Handlirsch, 1906, by monotypy.

- altaica** Kalugina, 1988: 83. PA: Mongolia (Lower Cretaceous) [C].
- asiatica** Lukashevitch, 1994: 111. PA: Kazakhstan (Upper Jurassic) [C].
- aucta** Lukashevitch, 1994: 113. PA: Kazakhstan (Upper Jurassic) [C].
- cretacea** Kalugina, 1989: 72 (1990: 69). PA: Russia (Siberia) (Lower Cretaceous) [C].
- liasina** Handlirsch, 1906a: 489. PA: Germany (Lower Jurassic) [C].
- maculata** Handlirsch, 1920: 204 [1939: 106]. PA: Germany (Lower Jurassic) [C].
- magna** Lukashevitch, 1994: 113. PA: Kazakhstan (Upper Jurassic) [C].
- maxima** Kalugina in Kalugina & Kovalev, 1985: 41 (*Proptychopterina*). PA: Russia (Siberia) (Middle Jurassic) [C].
- megapolitana** Handlirsch, 1939: 106. PA: Germany (Lower Jurassic) [C].
- minor** Bode, 1953: 300. PA: Germany (Lower Jurassic) [C].
- modica** Lukashevitch, 1994: 114. PA: Russia (Siberia) (Middle Jurassic) [C].
- ovalis** Bode, 1953: 301. PA: Germany (Lower Jurassic) [C].
- praemaculata** Kalugina in Kalugina & Kovalev, 1985: 40. PA: Russia (Siberia) (Middle Jurassic) [C].
- similis** Handlirsch, 1939: 106. PA: Germany (Lower Jurassic) [C].

### Genus PROPTYCHOPTERINA Kalugina

- PROPTYCHOPTERINA** Kalugina in Kalugina & Kovalev, 1985: 40. Type species: *Proptychopterina handlirschi* Kalugina, 1985, by original designation.
- amota** Lukashevitch, 1994: 120. PA: Russia (Siberia) (Middle Jurassic) [C].
  - evecta** Lukashevitch, 1994: 119. PA: Kazakhstan (Upper Jurassic) [C].
  - gracilis** Lukashevitch, 1994: 117. PA: Kazakhstan (Upper Jurassic) [C].
  - handlirschi** Kalugina in Kalugina & Kovalev, 1985: 41. PA: Russia (Siberia) (Middle Jurassic) [C].
  - mongolica** Kalugina, 1988: 84. PA: Mongolia (Lower Cretaceous) [C].
  - oleynikovi** Kalugina, 1989: 71 (1990: 67). PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

**sharategica** Kalugina 1992: 113 (1993: 146). PA: Mongolia (Upper Jurassic) [C].  
**yeniseica** Lukashevitch, 1994: 119. PA: Russia (Siberia) (Middle Jurassic) [C].