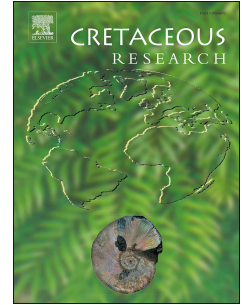


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The latest record of the extinct subfamily Eoptychopterinae (Diptera: Ptychopteridae) from Upper Cretaceous amber of North Carolina

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1 **The latest record of the extinct subfamily Eoptychopterinae (Diptera: Ptychopteridae)**
2 **from Upper Cretaceous amber of North Carolina**

3
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12 **Abstract.** A new genus and species of female phantom midge *Neuseptychoptera*
13 *carolinensis* gen. et sp. nov. in the fossil subfamily Eoptychopterinae is described and
14 illustrated; this ptychopterid is from Upper Cretaceous (Campanian) amber of North Carolina.
15 This is the first member of Eoptychopterinae from North America and the first found in
16 Campanian age amber. We propose to treat the extinct subfamily Eoptychopterinae
17 Lukashevich, 1995, as a junior synonym of the subfamily Eoptychopterinae Handlirsch, 1906,
18 syn. nov. The elongated mouthparts of the new species have broad labella, and these are
19 functionally interpreted as feeders for honeydew, fermenting plant juices, and nectar rather
20 than for biting.

21 **Keywords:** Campanian, gen. nov., sp. nov., new synonymy, North America, Tar Heel
22 Formation

23 **1. Introduction**

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