

## A new deinopoid spider from Cretaceous Lebanese amber

David Penney Acta Palaeontologica Polonica 48 (4), 2003: 569-574

Palaeomicromenneus lebanensis gen. et sp. nov. (Araneae: Deinopidae) is described from Upper Neocomian–basal Lower Aptian (ca. 125–135 Ma) Cretaceous amber from the Hammana/Mdeyrij outcrop, Lebanon. This is the oldest known, and possibly the first true fossil, deinopid. The lack of ocular modifications in the new fossil genus does not exclude it from having exhibited the same net-casting prey capture behaviour as extant deinopids. Alternatively, this prey-capture behaviour may be highly derived and whether it had evolved by the Early Cretaceous cannot be determined for sure; early deinopids (as diagnosed by pedipalp morphology rather than behaviour) may have been orb-web weavers as is their sister taxon the Uloboridae.

Key words: Araneae, Deinopidae, Cretaceous, Lebanon, spiders.

David Penney [david.penney@man.ac.uk], Department of Earth Sciences, The University of Manchester, Manchester, M13 9PL, United Kingdom.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see <u>creativecommons.org</u>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

