

New evidence on the taphonomic context of the Ediacaran *Pteridinium*

David A. Elliott, Patricia Vickers-Rich, Peter Trusler, and Mike Hall

Acta Palaeontologica Polonica 56 (3), 2011: 641-650 doi: <http://dx.doi.org/10.4202/app.2010.0060>

New material collected from the Kliphoek Member of the Nama Group (Kuibus Subgroup, Dabis Formation) on Farm

Aar, southern Namibia, offers insights concerning the morphology of the Ediacaran organism

Pteridinium. *Pteridinium*

fossils previously described as being preserved in situ have been discovered in association with scour-and-fill structures indicative of transport. Additionally, two *Pteridinium* fossils have been found within sedimentary dish structures in the Kliphoek Member. A form of organic surface with a discrete membrane-like habit has also been recovered from Farm Aar, and specimens exist with both *Pteridinium* and membrane-like structures superimposed. The association between *Pteridinium* fossils and membrane-like structures suggests several possibilities. *Pteridinium* individuals may have been transported before burial along with fragments of microbial mat; alternately they may have been enclosed by an external membranous structure during life.

Key words: *Pteridinium*, Petalonamae, Vendobionta, taphonomy, palaeoecology, Kliphoek Member, Nama Group, Ediacaran.

David A. Elliott [david.alexanderus@gmail.com], Patricia Vickers-Rich [Pat.Rich@monash.edu.au], Peter Trusler [peter@petertrusler.com.au], and Mike Hall [Mike.Hall@monash.edu.au], School of Geosciences, Monash University, Victoria, Australia 3800.

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