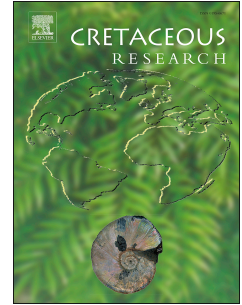


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The Cretaceous acorn barnacle *Archaeochionelasmus nekvasilovae* Kočí, Newman and Buckeridge, 2017 (Cirripedia, Neobalanomorpha) is a fragmentary rudist (Bivalvia, Mollusca)

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ABSTRACT

The unique holotype of *Archaeochionelasmus nekvasilovae* Kočí, Newman and Buckeridge, 2017, from the upper Cenomanian of the Czech Republic, supposedly an early neobalanomorph belonging to the extant family Chionelasmataidae, is compared in detail with chionelasmataids and rudist bivalves. The morphology and shell structure demonstrate that, rather than being a barnacle, it is a poorly preserved fragment of a rudist, which roughly mimics the form of an incomplete balanomorph wall.

Key words:

Cretaceous

Acorn barnacle

rudist

1. Introduction

Kočí et al. (2017) described a small calcitic fossil from Cenomanian marginal deposits at Predjob (Czech Republic) as *Archaeochionelasmus nekvasilovae* Kočí, Newman and Buckeridge, a balanomorph (acorn barnacle) belonging to the extant family Chionelasmataidae, and representing a first

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