Parasitic gastropod bioerosion trace fossil on Cenomanian oysters from Le Mans, France and its ichnologic and taphonomic context

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We describe and name *Loxolenichnus stellatocinctus* Breton and Wisshak igen. et isp. nov., a bioerosion trace fossil on an Upper Cenomanian oyster from Le Mans (France). This trace is attributed here to a parasitic gastropod. The characteristics of this ichnospecies are a combination of one or several, vertical or oblique, complete penetrations, and an asymmetrical attachment etching (fixichnion) with a diagnostic set of stellate grooves increasingly distinct towards the margin of the trace. By including two former *Oichnus* ichnospecies, *Loxolenichnus halo* comb. nov. and *Loxolenichnus taddei* comb. nov., *Oichnus*, is now constrained to pure predation traces (praedichnia). The numerous oysters collected from the Marnes à *Pycnodonte biauriculata* Formation show associated epibionts and encrusters as well as borers and scrapers. Encrusters comprise 24 taxa while bioerosion trace fossils comprise 17 ichnotaxa ranging from very rare (*Gnathichnus* and *Entobia* ichnofacies are represented on the shellgrounds, presumably alternatingly.

**Key words:** Gastropoda, Ostreidae, trace fossil, taphonomy, bioerosion, Cenomanian, Paris Basin.

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