

Abstract:

*Lapworthura lehmanni*, a new species of ophiuroid, is described from four specimens from the Lower Devonian Hunsrück Slate of Germany. It is the only known ophiuroid in the Hunsrück Slate with paired but unfused ambulacrals, and it exhibits unique rows of spine-bearing dorsal arm ossicles. The genus *Lapworthura* Gregory was previously known only from the Ordovician of Scotland and the Silurian of England and Australia.