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Revision of the Pennsylvanian fern *Boweria* Kidston and the establishment of the new genus *Kidstoniopteris*

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Abstract

Boweria is a fossil-genus of Pennsylvanian true ferns whose exact taxonomic position was for many years confused. The morphology of reproductive structures (including sporangia), pinnae, pinnules and in situ spores (*Leiotriletes* and *Granulatisporites* types) of the type species (*Boweria schatzlarensis*) are described in detail. A new species (*Boweria nowarudensis*) is distinguished by its sporangia being isolated with two types of

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