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Two Wealden species of *Equisetum* found *in situ*

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Equisetum lyellii Mantell is known from in situ rhizomes and underground portions of aerial shoots in the Wea den soil beds of Sussex. Aerial parts including probable sporangiophores and dispersed spores are known from fragment
partings above the so called 'soil beds' which probably represent an aquatic environment. *E. lyellii* lacks tubers and was probably wintergreen. *Equisetum burchardtii* Dunker is known from in situ rhizomes and tubers from the Wealden of England and also underground parts of aerial shoots from the German Wealden. It closely resembles living members of the subgenus *Equisetum* and probably died down in autumn.

Key words: *Equisetum*, taxonomy, ecology, Wealden, England.

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