

resemble not merely in general aspect, but even in their circinnate veneration and fructification. With the exception of a few tree-ferns, they seem to have been all low-growing plants, and perhaps were to some extent epiphytic upon the larger vegetation of the lagoons. Some of the more common



Fig. 366.—A, *Annularia sphenophylloides*; B, *Asterophyllites*.

genera are *Sphenopteris*, *Neuropteris*, *Cyclopteris*, *Odonopteris*, *Pecopteris*, *Alethopteris*.¹⁸⁹

Among the *Equisetaceæ*,¹⁹⁰ the genus *Calamites* is specially abundant. It usually occurs in fragments of jointed and finely-ribbed stems. From the rounded or blunted

¹⁸⁹ For an essay on the morphology and classification of the Carboniferous ferns see D. Stur, Sitzb. Akad. Wien. lxxxvi. 1883.

¹⁹⁰ On Carboniferous Calamaries, consult Weiss, Abh. Geol. Specialkarte Preussen, v.