a characteristically marine fauna. The same fauna has been detected over a wide region of the north of Asia from Spitzbergen to Japan, the western regions of North and South America, in New Zealand, and in Southern Africa.

LIFE.—The flor a of the Triassic period appears to have been closely similar to that of the Permian. It consisted mainly of ferns (some of them arborescent), equisetums, conifers, and cycads. Among the ferns, a few Carbonifer-

ous genera (Sphenopteris, Pecopteris, Cyclopteris) still survive, together with Glossopteris, Tæniopteris, Caulopteris, and other old genera, but new forms have appeared (Anomopteris, Acrostichites, Clathropteris, Lepidopteris, Merianopteris, Neuropteridium [Crematopteris], Sagenopteris). The earliest undoubted horsetail reeds occur in this system. Here they are represented by the two genera Equisetum (Fig. 377) and Schizoneura. The latter genus died out in the Jurassic period, but the former is still represented by twentyfive living species. The conifers are



represented by Voltzia, the cypress-Fig. 377.-Equisetum columnare, Brongn. (½).

specially characteristic organisms of the Trias (Fig. 378), and by Albertia. But the most distinctive feature in the flora of the earlier Mesozoic ages was the great development of cycadaceous vegetation. The most abundant genus is Pterophyllum; others are Nilssonia, Zamites, Podozamites, Ptilophyllum, Otozamites. So typical are these plants that the